INNOVATION MAKES EXCELLENT

有 | 跨 | 越 | 才 | 有 | 卓 | 越



企业简介

Brief Introduction

长江宛如一条巨龙奔腾不息,在长江之滨的天长市有这样一颗璀璨的明珠-安徽天康(集团)股份有限公司,在经历了岁月的历练与洗礼后愈发闪耀夺目。

安徽天康(集团)股份有限公司创建于1974年,总部位于"长三角"经济圈核心区域一天长市,是中国民营企业制造业500强企业、中国电子信息百强企业、国家级守合同重信用企业、国家高新技术企业、安徽省依法纳税先进企业、银行资信AAA级企业、中国仪表行业十强企业、中国电线电缆十强企业、安徽省重点骨干企业、"全国五一劳动奖状"获得者等荣誉。

天康集团历经四十年的蓬勃发展,已形成集仪器仪表、光电缆、医疗卫生、 锂电池等跨行业、多元化的集团公司,下属子公司达二十余家。旗下产品凭借良好的质量与服务,被广泛应用于石油、电力、化工、通讯、卫生、新能源汽车及储能等行业和领域。

作为院东经济最具活力与贡献的骨干企业之一,天康集团以"追求卓越,缔造满意"为目标,依托一流的产品、一流的管理、一流的服务,不仅在国内市场中赢得了广泛赞誉;在国际市场中,天康产品远销欧洲、非洲、亚洲等46个国家和地区。

天康集团在发展中逐步形成了独特的品牌文化及着眼全球的经营部局,全力塑造"高科技、高品质、国际化"的品牌形象。始终乘承"有跨越才有卓越"的天康精神,在创建和谐企业的基础上,引进国际先进的构架与模式,组织企业的生产经营管理体系。在积极参与国际化竞争的基础上,不断把握市场发展脉搏,寻求经济战略联盟,与全球伙伴共同发展与进步。如今天康人将全新的投入化为无私的奉献、与世界共同发展,与人类一起进步。



Yangtze River like a dragon Pentium, there is such a shining pearl - Anhui Tiankang (Group) Co., Ltd. in Tianchang City in the Yangtze River foreshore, in after years of experience and baptism increasingly shining brightly.

Anhui Tiankang (Group) Co., Ltd. created in 1974, the headquarters is located in the "Yangtze River Delta" economic circle core area - Tianchang City, is China's private enterprises in the manufacturing industry 500 strong enterprises, China's electronic information hundred enterprises, state-level keep contract re credit enterprise, national new and high technology enterprise, Anhui Province tax law advanced enterprises, bank credit AAA level enterprise, China instrument industry ten strong enterprises, top ten enterprises in the Chinese wire and cable, Anhui province key enterprises, "national labor certificate" get "and other honorary.

After forty years of vigorous development, the group has formed a set of instruments, optical cable, medical and health, lithium batteries, such as cross industry, diversified group companies, subsidiaries of more than twenty. Products with good quality and service, is widely used in oil, electricity, chemicals, communications, health, new energy vehicles and energy storage and other industries and areas.

As one of the backbone enterprises in Anhui east economy the most vitality and contribution, tecon group to "the pursuit of excellence, creating satisfaction" as the goal, relying on the first-class products, first-class management, first-class service, not only in the domestic market won wide acclaim; in the international market, the day Kang products are exported to 46 countries and regions, including Europe, Africa, and Asia.

Tecon group in the developing gradually formed a unique brand culture and focus on global business department bureau, spare no effort to shape the brand image of "high-tech, high-quality, internationalization". Always adhering to the "excellence," the spirit of Tiankang across only, to create the basis for a harmonious enterprise, the introduction of international advanced framework and patterns, organization of production management system. Actively participate in the international competition, and continue to grasp the pulse of the market development, to seek economic and strategic alliances, and global partners to develop and progress. Such as today, the people will be a new investment into the selfless dedication, and the common development of the world, together with the progress of mankind.

目 录 CONTENTS

TK3051系列压力变送器 Series Pressure Transmitter	.1
TK3051A/B-H型高温高压力变送器 TK3051A/B-H High Temperature and Pressure Transmitter1	2
TK3051A/B-T型表圧与绝圧变送器 TK3051A/B-T Gauge Pressure and Absolute Pressure Transmitter1	5
TK3051A/B-C型差压、表压与绝压变送器 TK3051A/B-C Differential Pressure,Gauge Pressure and Absolute Pressure Transmitter1	6
TK3051L型液位变送器 TK3051L Liquid Level Transmitter	8
1199远传膜片密封件系统 Remote Transmitting Sealing System2	23
TK3051A/B-F卫生型压力变送器 TK3051F Sanitary Pressure Transmitter	29
TK3051A/B-P高温防腐型压力变送器 TK3051P High Temperature Anti-corrosive Pressrue Transmitter	34
TK208,TK316系列扩散硅圧力变送器 TK208,TK316 Series Diffused Silicon Pressure Transmitter	18
TK型扩散硅压力变送器选型表 TK Series Diffused Silicon Pressure Transmitter Selection Table	19
TK静压式导压式液位变送器 TK Static Pressure Pressure Guiding Liquid Level Transmitter	10
TK301一体化浓度/密度变送器 TK 301 Integrated Concentration/Density Transmitter	13
TK6800电动压差式液位变送器 TK6800 Electric Pressure Differntial Liquid Level Transmitter	15

TK3051A/B系列压力变送器 **Series Pressure Transmitter**







一、概要

TK3051A/B系列压力变送器用于工业过程全系列差 压、压力、绝对压力的测量, 具有模拟或数字输信号。广泛应用于石油、化工、电力、食品、造纸、市政工程等行业。

TK3051A/B系列产品

Cd系列差压变送器 Cg系列压力变送器 Ca系列绝压变送器

L系列液位变送器 H系列高温高压型压力变送器

T系列表压与绝压变送器 F系列卫生型压力变送器 P系列高温防度型压力变误器

主要技术指标

量程比: 100:1~20:1 精度高: ±0.05~0.2 智能: HART现场总线协议 总线: PROF1BUS-PS 低温漂: 数字温度传感器自动 补偿

规格全:-100Kpa~120Mps 耐腐蚀:提供316L、哈氏合

金、钽等 耐压性能好:常规14MPa 高静压32MPa 防爆: 本安型(iallCT4/T6) 隔爆型(dllCT4/T6)

性能

工业领域中最佳的总体性能生0.15%。今回路性能 **最优化**

嚴忧化 五年稳定性±0.15%,可大大降低校验和维护费用 更快的动态响应,可降低过程的可变性 引进技术可实现全面测量方案 本地分部:零点/量程调整

I. General

TK3051 series pressure transmitters with analog or digital signal are used to measure the full series of differential pressure, pressure, absolute pressure of industrial process in industries like petroleum, chemistry. electric power, food, paper making and municipal works.

TK3051 series products

CD series differential pressure transmitters

CG series pressure transmitters

CA series absolute pressure transmitters L series liquid level transmitters

H series high temperature and high pressure pressure

transmitters T series gauge pressure and absolute pressure

transmitters F series sanitation pressure transmitters

P series high temperature anti-corrosive pressure transmitters

Main technical index

Range ratio: 40:1 High accuracy: ±0.1%range

Intelligent: HART field bus protocol

BUS: PROF1BUS-PS

Low temperature drift: automatic compensation for

digital temperature sensor Full size: -100pa~120Mpa

Corrosion resistant: provide 316L, Hastelloy, tantalum Good pressure resistant performance; normal 14MPa

High static pressure 32MPa

Anti-explosion: intrinsic safety type (iaIICT4/T6)

explosion suppression type (dIICT4/T6)

Performance

Optimum overall performance in the industrial filed ±0.15%, making the circuit performance optimal

Five year stability of ±0.15%, greatly reducing the inspection and maintenance cost Faster dynamic response, reducing the variability of

the process The introduced technology is able to realize the overall

measurement solution

Local/external: zero point/scale adjustment

全面解决方案

小巧而质轻的设计, 身 比对现 场的库存要求最低 具有最佳的性能, 高量程

可采用一体化安装阀组,可节约安装费,因为公司可将变送器和阀组在工厂一体化装配,并在 工厂完成了泄漏 检查和校验 1199"调整型"直接安装式远传可节约采购和 安装费 用20%以上,性能提高超过10%,响应时间

加快10%以上

主要元件均采用进口 具有国内外最新压力变送器的结构优点和良好

性能 通用型安装结构及规格,替代能力强,是新一 代压力测量的优秀换代产品

二、产品介绍

3051C型差压,表压与绝压变送器

性能优异:精度0.05%~0.2%,量程比100:1~20:1 注能几年: 特別 (50 05% 0.2%) 單程 基压: 校验量程从0.1kPa至21MPa 表压: 校验量程从0.12kPa至21MPa 绝压: 校验量程从1.5kPa至21MPa 过程隔离腺片: 不锈钢,哈氏合金 钽(仅限CD, CG)及镀金蒙乃尔。使今 合金 , 蒙乃尔 , 镀金不锈钢 设计 小巧、坚固而质轻,易于安装 复合量程(仅限CD,CG),可测量负压

3051T型差压,表压与绝压变送器

性能优异:精度0.05%~0.2% 绝压: 校验量程从0.12kPa至120MPa 表压: 校验量程从0.12kPa至120MPa 不锈钢与哈氏合金C过程隔离膜片 福充液:硅油与惰性液 可选DIN和与压力反应 罐相配的过程相连 复合量程(仅限TG),可测量负压 最大过压达1000倍以上

3051L型液位变送器

校验量程从0.4kPa至2.1MPa 求

小巧而质轻,易于安装与维护 接液件材料:不锈钢,除氏合金和钽

Overall solution

Delicate and light design with optimal performance. high range ratio requires the minimum of inventory on site

Integrated installation valves can be adopted to save money since the company can assemble the transmitters and valves at the plant in an integrated way and the leakage check and test are finished on site.

With the 1199 "adjustment type" direct installed remote signaling, more than 20% of the purchase and installation expense can be saved, the performance is improved by more than 10% and the response time is more than 10% faster.

The main elements are imported.

With structure advantages and good performance of latest pressure transmitter at home and abroad

General type of installation structure and size. highly replaceable and it is new generation of excellent replacement product for pressure measurement.

II. Product Introduction

3051C differential pressure, gauge pressure and absolute pressure transmitter

Excellent performance; accuracy 0.1%, range ratio; 40:1 Differential pressure: the inspection range from 0.1kPa to 21MPa

Gauge pressure: the inspection range from 0.12kPa to

21MPa Absolute pressure: the inspection range from 1.5kPa to

21MPa Process isolation diaphragm: stainless steel, hastelloy, Monel, tantalum (only for CD, CG) and gold plated Monel, gold plated stainless steel.

Compact design, solid and light in weight, easy to install

Compound range (only for CD, CG), able to measure the negative pressure

3051T differential pressure, gauge pressure and absolute pressure transmitter

Excellent performance: accuracy 0.1%

Absolute pressure: the inspection range from 0.12kPa to 120MPa

Gauge pressure: the inspection range from 0.12kPa to 120MPa

Stainless steel and hastellov C process isolation diaphragm

Filling liquid: silicon oil and inertia fluid

Optional DIN and connected to process matching pressure reaction tank

Compound range (only for TG), able to measure negative pressure

Maximum overpressure over 1000 times

3051L liquid level transmitter

Liquid level measuring accuracy up to 0.1%, 0.2%

Inspection range from 0.4kPa to 2.1MPa

Flat diaphragm type, 2-, 4-, and 6 inch projected dianhragm

Multiple kinds of filling liquid optional, able to meet the requirements of different application fields Delicate and light in weight, easy to install and maintain

Liquid connection material: stainless steel, hastelloy and tantalum

三、产品说明

传感瞳头

30510型采用先进技术及生产线制造的高品质机 传感 陽,传感器与过程介质和分部环境上 传感 陽,传感器与过程介质和分部环境上 电气及热隔 高、传感器远离过程法兰、移至 电子外壳的资部,可实现 机械隔离和热隔离 设计使传感器不与过程热源直接接 触,并释放 份 传感器杯体除上的机械应力。可增高静压性能

玻璃密封的压力输送管与传感器杯体绝缘安装,保证了电气绝缘,可提高电子线路的灵活性、性能与耐暇变电压保护的能力。

3051C型传感膜头还进行温度测量,用于补偿温度影响。

该种传感膜头的内存也可帮助加快维修过程。因为原 有膜头的特性值都贮存在膜头中,所以可贮富 直接更换线板 而无需新校验或排下,独立的原存。使用HARI干燥器可以方便地对3051型进行组成。首先,设定变送器的工作参数、包括:存修正系数的PROM.

传感膜头内还有线路板,它将输入的电容与温度信号 直接转换成可供电子板模块进一步处理的数字化信号。

电子线路板

电子板采用专用集成电路(ASIC)与表面封装技 电子板探用专用集成电路(ASIC)与表面封装技 修正系数,然后 对信号进行修正与线性化。电与 板模块的输出部分将数字信号转为模拟输出,并与 HARI干操器进行通讯。标准的 模拟型舶从和4-20mA

可选液晶表头插在电子板上,以压力、流量或液位工程单位或模拟量程值百分比显示数字输出,变送器均可选用液晶表头。

数据存贮

组态数据存贮于变送器电子板模块的永久性 EEPROM存贮器中。变送器掉电后,数据仍保存, 故而上电后变送 器能立即工作。

数/模转换与信号传送

过程变量以数字式数据存贮,可以进行精确地 修正和 工程单位的转换。信号经修正后的数据转据 换为模拟输出信号。HART手擦哥以直接以致 信号方式存取传感器读 数,不经过数/模转换以得 到更高精

III. Product Description

Sensing film head

3051C is high quality sensor manufactured with advanced technology and production line. The sensor is isolated mechanically, electrically and thermally from process medium and external environment. The sensor is away from the process flange, moved to the neck of the external electronic shell and able to realize the mechanical and thermal isolation. With this design, the sensor does not contact directly the process thermal source and the mechanical stress on the sensor cup is released so that the static pressure performance can be

The pressure transportation pipeline sealed with glass is installed with sensor cup in insulated way, which guarantees the electric insulation, improves the flexibility and performance of electronic circuit and the protection ability to withstand transpert voltage.

3051C sensing film head can also be used to measure the temperature and compensate for the temperature influence.

During the plant characterization process, all the sensors experience the pressure and temperature cycle test within the whole operation range. The correction coefficient is produced based on the obtained data and then the coefficient is stored in the memory of the sensing film head so as to guarantee that the transmitter can make correct signal correction during the operation.

The memory of this kind of sensing film head can also help facilitate the maintenance. Since all the characteristic value of the film head is stored in the film head, the circuit board can be replaced directly without re-cabitration or removing the independent storage. It is easy to configuration consists of two parts. Firstly, set the the PROM of correction coefficient.

There is also circuit board in the film sensing head which converts directly the input capacitance and temperature signal to the digital signal which can be further processed by the electronic board module.

Electronic circuit board

The electronic circuit board uses special integrated circuit (ASIC) and surface mount technology. This sound receives the digital input signal from the sensing film head and its correction conditional nather make correction and linearization for the signal. The output part of the electronic board module converts the digital signal to analog output and communicates with the HART. Standard analog output is 4-20mA.

Optional liquid crystal meter is inserted on the electronic board which shows the digital output with pressure, flow or liquid level engineering unit or analog range percentage. The transmitter can use liquid crystal meter

Data storage

The configuration data is stored in the permanent EEPROM memory of the electronic board module of the transmitter. After the transmitter loses power, the data is still kept, thus the transmitter can start work immediately after power on.

D/A conversion and signal transmitting

The process variable is stored in the form of digital data which can correct accurately the conversion with engineering unit. The signal is converted to analog output signal via converted data. HART device can access directly the reading of sensor in the form the digital signal and get higher accuracy without A/D conversion.

通讯格式

3051型采用HART协议进行通讯,该协议使用了 工业 标准Be 11202频移调制(FSK)技术。在模划输 出上叠加高频 信号可以进行远程通讯。采用该技术、能在不影响回路完整性的情况下,实现同时 调讯和编出。

\$P 化LTh 创

HART协议使用户可以容易地使用3051型的组态、测试与具体设定的功能。

细太

使用HART手操器可以方便地对3051型进行组态。组态由两部分组成。首先,设定变送器的工作参数,包括:零点与量程设定点。

线性或平方根输出

阻尼

工程单位选择

其次,可将信息性数据输入变送器,以便对变 其次,可将信息性数据输入变送器,以便对变 送器进行识别与物理描述。包括: 工位令:8个字母数字字符 借描述时:16个字母数字字符 日期 一体化表头安装 通材料 〇型环材料 运传信息

除以上讨论的可组态参数外,3051型软件中还包含一 些用户不可变更的信息:变送器类型,传感器极限值,最 小量程,灌充液,隔离膜片材料,膜头系列号及变送器软件版本号。

测试

3051型可以进行连续自检。当出现问题时, 经路将激活用户选定的模拟输出报警。HART手段 以查询变送器、确定问题所在。变送器向手级 器架设计的设置、从是回路有 地采取维修措施。若操作员确、从是回路有 时中该器够出特定输出,以供回路测试。

具体设定

在变送器初始化阶段和数字电子板维护时需进行具体 设定。它允许对传感器与模拟输出进行微调,以符合工厂 压力标准。此外,特性化功能令用户可防止模拟输出设定 点被意外或故意调整。

四、选项

液晶表头 M5数字表头,液晶显示 直接显示数字数据,精度更高 按用户要求显示流量、液位、体积或压力单位 显示诊断信息,用于现场故障检修 可旋转90o,便于安装

Communication format

3051 type adopts HART protocol for communication which uses industrial standard Bell202 frequency shifting keying (FSK) technology. High frequency signal is superposed on the analog output to make remote communication. This technology enables communication and output at the same time without affecting the integrity of the circuit.

Software function

HART protocol enables the user to use easily the 3051 type configuration and test the specifically set functions.

Configuration

It is easy to configure the 3051 type with HART communicator. The configuration consists of two parts. Firstly, set the working parameters of the transmitter, including: zero point and range set points

Linear or square root output

Delay time

Selection of engineering unit

Secondly, the information data can be input to the transmitter so that the transmitter can make recognition

and physical description, including:

Work position No.: character of eight letters and number.

Descriptor: character of sixteen letters and number.

Date

Integrated meter installation Flange type liquid/air drain

Valve material O-ring material Remote transmitting information

Apart from the configurable parameters above, there is also some information that the user can not change in the 3051 type software: transmitter type, limit value of the sensor, minimum range, filling liquid, material of isolation diaphragm, film head type and version of transmitter software.

Test

3051 type can make continuous self-check. When there is problem, the transmitter will activate the analog output alarm selected by the user. HART device can inquire about the transmitter and determine the problems. The transmitter outputs specific information to the HART device so as to recognize the problem and take maintenance measures rapidly and conveniently. When the operator confirms that there is problem with circuit, he can let the transmitter give specific output to test the circuit.

Specific setting

Specific setting is required during initialization of transitter and maintenance of digital electronic board. It allows the fine tuning of the sensor and analog output so as to meet the pressure standard of the plant. Besides, characterized function enables the user to prevent the analog output setting point from accident or intentional adjustment.

IV. Option

Liquid crystal meter

M5 digital meter, liquid crystal display

Direct display of digital data, higher accuracy
Display the flow, liquid level, volume or pressure unit as

Display the diagnosis information, for repair of fault on

It can turn 90 degrees, easy to install

本机量程与零点调整 作为标准配制,变送器带有本机量程与零点调整钮 非交互式外部零点与量程调整,易于校验 按钮代替标准电位计进行调整,以实现最佳性能

耐瞬变电压保护

法兰与接头用螺栓 法兰与接头可配用不同材料的螺栓 标准材料为电镀碳钢

五、选项

性能指标

总体性能是基于参考精度,环境温度影响与量程 静压影响的综合误差。

3051C型(量程4-9)、3051T

参数精度

土 0.1%量 程

总体性能提高

± 0.15% 量程, 在± 50 OF(28℃) 温度变化, 最大6.9MPa静压(仅限CD), 1:1至5:1量程比的条件下。

稳定性提高

± 0.125%URL, 5年, 在温度变化± 500F(28°C),静压最大为6.9MPa条件下。

动态性能

总的响应时间(Td+Tc) 100豪秋(HART输出)

3051CD型, 微差压(量程2-3)

参考精度 ±0 10%量程

稳定性

±0.2%URL, 1年

参考精度

±1%量程

3051 H型一高温度、高压力

确中有

±0.2%URL, 1年

具体性能指标

(零基量程,参考条件,硅油充液,316不锈钢隔离膜片,20mA模拟输出,数字微调值等于量程设定点值。)

参考精度

(参考精度包括迟滞性、基于端子的线性、设定能力和重复性。)

3051CD量程4-9和3051CG

±0.1%量程

超过10:1的量程,精度=

±[0.015+0.005(URL)]%量程

Range and zero point adjustment of this machine.

As standard make-up, the transmitter has the adjustment button for range and zero point of this machine.

Non-interactive external zero point and range adjustment, easy to inspect.

Button replacing the standard potentiometer to make adjustment to realize the optimum performance.

Resistant to transient voltage protection

Integrated protection terminal block resistant to transient voltage .

Flange and joint bolts.

Bolts of different materials can be used for flange and

The standard material is galvanized carbon steel.

IV. Specification

Performance index

The overall performance is the comprehensive error based on reference accuracy, ambient temperature influence and range static pressure influence.

3051C (range type4-9), 3051T

Reference accuracy

±0.1% range

Overall performance improvement

 $\pm~$ 0 . 1 5 % range, under the condition of temperature change ± 5 0OF (2.8 $^{\circ}\text{C})$, maximum static pressure of 6.9MPa (only for CD) and range ratio 1:1 to 5:1

Stability is improved

± 0.125%URL, five years, under the condition of temperature change ±500F(28°C) and maximum static pressure of 6.9MPs

Dynamic performance

Total response time (Td+Tc)

100 millisecond (HART output)

3051CD type, micro differential pressure (range 2-3)

Reference accuracy

±0.10% range

±0.2%URL, one year

Reference accuracy

±0.1% range

3051 H type-high temperature, high pressure

Stability

±0.2%URL, one year

Specific performance index

(zero base range, reference conditions, silicon oil filling, 316 stainless steel isolation diaphragm, 20mA analog output, digital micro adjustment value equals the setting point value of the range).

Reference accuracy

(the reference accuracy includes the hysteresis, linearity based on terminal, setting ability and repeatability.)

3051CD range 4-9 and 3051CG

±0.1% range

Range exceeding 10:1, accuracy=

 \pm [0.015+0.005 (URL/Milestone)]% range

3051CD量程3	3051CD range 3
±0.10%量程	±0.10% range
超过15:1的量程,精度=	Range exceeding 15:1, accuracy=
±[0.025+0.005(URL)]%量程	\pm [0.025+0.005 (URL/Milestone)]% range
3051CD量程2	3051CD range 2
±0.10%量程	±0.10% range
超过2:1的量程 3051T/CA量程4-10	Range exceeding 2:1
±0.1%量程	3051T / CA range 4-10 ±0.1% range
超过10:1的量程,精度=	Range exceeding 10:1, accuracy=
±[0.1(URL)]%量程	± [0.1 (URL/Milestone)]% range
3051T量程3	3051Trange 3
±0.1%量程	±0.1% range
超过10:1的量程,精度=	Range exceeding 10:1, accuracy=
±[0.1(URL)]%量程	±[0.1 (URL/Milestone)]% range
3051L	3051L
土0.10%量程	±0.10% range
超过10:1的量程,精度=	Range exceeding 10:1, accuracy=
±[0.025+0.005(URL)]%量程	±[0.025+0.005 (URL/Milestone)]% range
环境温度影响(每50°F(28℃)影响) 3051CD/CG	Ambient temperature influence (influence of each 50° F(28°C))
	3051CD/CG
1:1至5:1: ± (0.0125%URL+0.0625%量程) 5:1至40:1: ± (0.025%URL+0.125%量程)	1:1 to 5:1:±(0.0125%URL+0.0625% range) 5:1 to 40:1:±(0.025%URL+0.125% range)
量 程0: ±(0.25%URL+0.05%量 程)	Range 0:±(0.25%URL+0.05% range)
量程1: ± (0.1%URL+0.25%量程)	Range 1:±(0.1%URL+0.25% range)
3051T和3051CA 1:1至40:1:±(0.025%URL+0.125%量程)	3051T and 3051CA 1:1 to 40:1:±(0.025%URL+0.125% range)
3051T量程5: ± (0.1%URL+0.15%量程)	3051T range 5:±(0.1%URL+0.15% range)
3051T量程1	3051T range1
1:1至40:1:±(0.025%URL+0.125%量程)	1:1 to 40:1:±(0.025%URL+0.125% range)
静压每变化6.9MPa的影响	3051T and 3051CA
3051CD	3051CD
零点误差(可标定消除)	Zero point error (can calibrate to eliminate)
静压从2至4, 13.7MPa时, ±0.05%URL 静压士王13.7MPa时, 贝里克王里	When the static pressure from 2 to 4, 13.7MPa, ±0.05%URL
静压大于13.7MPa时,见用户手册 量程2:±0.125%量程/689kPa	When static pressure larger than 13.7MPa, see user
量程3:±0.25%URL	manual Range 2:±0.125% range/689kPa
also also also rate	Range: 3:±0.25%URL
参考精度	Range error
量程4-5±0.1%读数 量程2:±0.15%量程/689kPa	Range 4-5±0.1% reading Range 2:±0.15% range/689kPa
量程3: ±0.4%读数	Range 3:±0.4% reading
动态性能	Dynamic performance
延迟时间和刷新速率适用于所有型号和量程,	The delay time and refresh rate applicable to all models
仅限模拟输出。 延迟时间(Td):45毫秒(名义值)	and range, only for analog output Delay time (Td): 45 milliseconds (nominal value)
刷新速率:22闪/秒	Refresh rate: 22 flashes/second
前 新 遥 学 : 2 2 19 7 19 总的影响时间(Td+Tc):	Total influence time (Td+Tc):
3051C 4-20mA/HART	3051C 4-20mA/HART
里程4-9:100毫秒	Range 4-9:100 milliseconds
里程3:255毫秒 里程2:700毫秒	Range 3:255 milliseconds Range: 2:700 milliseconds
	3051T
3051T 里程3-10:100豪秒	Range 3-10:100 milliseconds

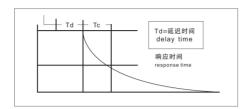


图1. 典型的智能变送器的响应时间 Fig. 1. Response time of typical intelligent transmitter

安装位置影响

3051T

零点最多漂移±0.31kPa,可修正掉。无量程影响。

3051L

- 若液位膜片外干垂直位置, 零点至多漂移 0. 25kPa
- 若液位膜片处于水平位置,零点至多漂移 1.25kPa加上伸出装置的伸出长度。所有零点漂移 均可修正掉。无量程影响。

3051T/CA

零点最多漂移0.6kPa,可修正掉。无量程影响。

振动影响

所有型号

- 只考虑谐振频率影响, 其它振动影响均忽略不
- 在谐振下, 与管道轴向成任意角度的方向施加 15-2000Hz的振动进行测试,振动影响小于土 0.1%URL/g.

电源影响

所有型号

小于±0.01%量程/伏

射频干扰影响 所有型号

小干土0.1%量程, 20至1000MHz, 场强达到30伏/米

耐膜变电压保护(选项代码T1)

所有型号

6kV峰值(0.5 μs-100KHz)

3kV峰值(8×20ms)

6kV峰值(12×50ms):SWC2.5kV峰值.1.25MHz波形

综合性能指标

响应时间: <1纳秒

浪涌峰值电流: 5,000安培, 对外壳

瞬变峰值电压: 100VDC

回路阻抗: <25 Ω

按ASME Z210.1(ANSI)在68 0F(20°C)下进行校验

Installation position influence

3051T

Maximum zero point drifting ±0.31kPa, can be corrected. No range influence.

3051L

When the liquid level diaphragm is in the vertical position, the maximum zero point drifting is 0.25kPa.

When the liquid level diaphragm is at the horizontal position, the maximum zero point drifting is 1.25kPa plus the protruding length of the protruding device. All the zero point drifting can be corrected. No range influence

3051T/CA

The maximum zero point drifting is 0.6kPa, it can be corrected. No range influence.

Vibration influence

All the model

Only the resonance frequency influence is considered and other vibration influence is neglected.

Under the resonance, apply 15-2000Hz of vibration in the direction of any angle with the axial direction of the nineline to conduct the test. The vibration influence is smaller than ±0.1%URL/q.

Power supply influence All the model

Smaller than ±0.01% range/radiation

Frequency interference influence All the model

Smaller than ±0.1% range, 20 to 1000MHz, filed strength up to 30 voltage/meter Resistant to transient voltage protection

(option code T1)

All the model

6kV peak value (0.5 us-100KHz)

3kV peak value (8×20ms)

6kV peak value (12×50ms); SWC2.5kV peak value, 1.25MHz waveshape

Comprehensive performance index

Response time: <1 nanosecond

Surge peak current: 5,000 ampere, to the shell

Transient peak voltage: 100VDC

Circuit impedance: <25 Ω

Note

Check under 68 0F(20°C) as per ASME Z210.1(ANSI)

量程与传感器的极限值

Limit Value of Range and Senor

表1.3051CD, 3051CG, 3051L, 3051H型的量程与传感器极限值

Table 1 Limit value of range and sensor of 3051CD, 3051CG, 3051L and 3051H

	最小量程 Min. Range		量程与传感器极限值 Limit Value of Range and Senor					
量程	3051CD CG.	量程上限		-	里程下 imit Value of I	限(URL) Range and Se	nor	
Range	L, H型(Type)	(URL) Upper range limit (URL)	3051CD差压 Differential pressure	3051CG表压 Gauge pressure	3051L差压 Differential pressure	3051L表压 Gauge pressure	3051H差压 Differential pressure	3051H表压 Gauge pressure
2	10mmH ₂ O (100Pa)	150mmH ₂ O (1500Pa)	-150mmH ₂ O (-1500Pa)	-150mmH ₂ O (-1500Pa)	NA	NA	NA	NA
3	12mmH ₂ O (0.12kPa)	750mmH ₂ O (7.5kPa)	-750mmH ₂ O (-7.5kPa)	-750mmH ₂ O (-7.5kPa)	-750mmH ₂ O (-7.5kPa)	-750mmH ₂ O (-7.5kPa)	-750mmH ₂ O (-7.5kPa)	-750mmH ₂ O (-7.5kPa)
4	40mmH ₂ O (0.4kPa)	4mH ₂ O (40kPa)	-4mH₂O (-40kPa)	-4mH ₂ O (-40kPa)	-4mH ₂ O (-40kPa)	-4m H ₂ O (-40kPa)	-4m H ₂ O (-40kPa)	-4mH ₂ O (-40kPa)
5	200mmH ₂ O (2.0kPa)	20mH ₂ O (200kPa)	-20mH ₂ O (-200kPa)	-10mH ₂ O (-100kPa)	-20mH ₂ O (-200kPa)	-20mH ₂ O (-100kPa)	-20mH ₂ O (-200kPa)	-10mH ₂ O (-100kPa)
6	700mmH ₂ O (7.0kPa)	70mH ₂ O (700kPa)	-70mH ₂ O (-700kPa)	-10mH ₂ O (-100kPa)	-70mH ₂ O (-70kPa)	-70m H ₂ O (-100kPa)	-70m H ₂ O (-700kPa)	-10mH ₂ O (-100kPa)
7	2.1mmH ₂ O (21kPa)	210mH ₂ O (2.1MPa)	-210mH ₂ O (-2.1MPa)	-10mH ₂ O (-100kPa)	-210mH ₂ O (-2.1MPa)	-210mH ₂ O (-100MPa)	-210mH ₂ O (-2.1MPa)	-10mH ₂ O (-100kPa)
8	7.0m H ₂ O (70kPa)	700mmH ₂ O (7MPa)	-700mH ₂ O (-7MPa)	-10mH ₂ O (-100kPa)	NA	NA	-70m H ₂ O (-7kPa)	-10mH ₂ O (-100kPa)
9	12mmH ₂ O (120kPa)	2100mH ₂ O (21MPa)	-2100mH ₂ O (-21MPa)	-10mH ₂ O (-100kPa)	NA	NA	-210mH ₂ O (-2.1MPa)	-10mH ₂ O (-100kPa)

表2.3051T型量程与传感器极限值

Table 2 Limit value of 3051T range and sensor

量程	最小量程	嚴程与传感器极限值 Limit Value of Range and Senor				
黑性 Range	照 小皿 住 Min. Range	量程上限 Upper range limit	最程下限绝压 Lower range limit Absolute pressure	最程下限表压 Lower range limit Gauge pressure		
3	12mmH ₂ O	750mmH ₂ O	0mmH ₂ O	-750mmH ₂ O		
	(0.12kPa)	(7.5kPa)	(0kPa)	(-7.5kPa)		
4	40mmH ₂ O	4mH ₂ O	0mmH ₂ O	-4mH ₂ O		
	(0.4kPa)	(40kPa)	(0kPa)	(-40kPa)		
5	200mmH ₂ O	20mH ₂ O	0mmH₂O	-10mH ₂ O		
	(2.00kPa)	(200kPa)	(0kPa)	(-100kPa)		
6	700mmH ₂ O	70mH ₂ O	0mmH ₂ O	-10mH ₂ O		
	(7kPa)	(700kPa)	(0kPa)	(-100kPa)		
7	2.1mH ₂ O	210mH ₂ O	0mmH ₂ O	-10mH ₂ O		
	(21kPa)	(2.1MPa)	(0kPa)	(-100kPa)		
8	10mH ₂ O	1000mH ₂ O	0mmH ₂ O	-10mH ₂ O		
	(100kPa)	(10MPa)	(0kPa)	(-100kPa)		
9	40mH₂O	4000mH ₂ O	0mmH ₂ O	-10mH ₂ O		
	(400kPa)	(40MPa)	(0kPa)	(-100kPa)		
10	120mH ₂ O	12kmH ₂ O	0mmH ₂ O	-10mH ₂ O		
	(1.2MPa)	(120MPa)	(0kPa)	(-100kPa)		

设大气压为14ppsi

Set the barometric pressure to be 14ppsi

委占与量程调整要求

零点与量程值可在表1-表3中所标明的量程极限内 任音设定

量程必须大于或等于表1-表3中所标明的最小量程

液体,气体与蒸汽的测量场合 4-20mA(输出代码A)

二线4-20mA,用户可洗线性或平方根输出。数字 计程变量系 加于4-20mA信号上,适用于任何使用HART协议的 主机。

由源

需要外部电源。标准变送器(4-20 m A) 空载 时工作在 。 四路5 数极限 最大回路电阻由外部电源供电电压 决定。关系如下:

最大回路电阻=41,5(电源电压-10.5)

Adjustment requirements for zero point and range

The zero point and range value can be set arbitrarily

within the range limit indicated in table 1-table 3

The range must be larger than or equal to the minimum range indicated in table 1-table 3.

Application occasions

Application When liquid, gas and steam is measured

4-20mA (output code A)

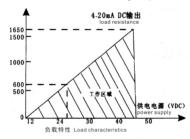
Two wire 4-20mA, the user can select linear or square root output. The digital process variable is superposed on the signal of 4-20mA, applicable to the host using HART protocol.

Power supply

External power supply is required. Standard transmitter (4 - 2 0 m A) works at 10.5-55Vdc during no load condition

Circuit load limit. The maximum circuit resistance is determined by the voltage of external power supply with the relationship as follows:

Maximum circuit resistance =41. 5 (power supply voltage-10.5)



指示

可洗数字液晶表头。

过压极限

变送器可承受以下极限压力而不致损坏

3051CD/CG型

量程2-6:0.6MPa 量程7:2.1MPa 量程8:6MPa

量 程9:20MPa

3051CA型 量程2-6:0.6MPa 量程7:2.1MPa

量程8:6MPa

量 程9:20MPa

3051TG/TA型

量程3-6: 3.5MPs 量程7:10MPa 量程8: 13.8MPa

量程9: 60MPa 量程10·150MPa

对于3051L型或选项代码为FA、FB、FC与FD的液位法 , 极限值为0kPa至法兰额定值或传感器额定压力值 中的小者。

Optional digital liquid crystal meter.

Over-voltage limit

The transmitter is able to withstand the following limit pressure while not being damaged

3051CD/CG type

Range 2-6:3.5MPa

Range 7:13.8MPa Range 8:40MPa

Range 9:100MPa

3051CA type

Range 2-6:3.5MPa

Range 7:13.8MPa Range 8:40MPa

Range 9:100MPa

3051TG/TA type Range 3-6: 3.5MPa

Range 7: 10MPa

Range 8: 13.8MPa

Range 9: 60MPa Range 10: 150MPa

As for 3051L type or liquid flange with the option code of FA, FB, FC and FD, the limit value is 0kPa to the rated value of the flange or the rated pressure value of the sensor, whichever is the smaller.

表3 30511 型与液位法兰额定压力极限

Table 3. Rated pressure limit of 3051L type and liquid level flange

	nango							
标 准 Standard	类 型 Type	碳钢额定值 Standard	不锈钢额定值 Rated vale of stainless steel					
ANSI/ASME	Class150	285psig	275psig					
ANSI/ASME	Class300	740psig	720psig					
ANSI/ASME	Class600	1480psig	1440psig					
100° F(38℃)下,额定 Under100°F(38℃),the ra	值随温度升高而降低。 ted value decreases with th	ne increase of temperature.						
DIN	pn10-40	40bar	40bar					
DIN	pn10/60	16bar	16bar					
DIN	pn25/40	40bar	40bar					
100°F(38°C)下,额定 Under100°F(38°C), the ra		he increase of temperature.						

静压极限

仅限3051CD型 在3.45kPa至24.8MPa(选项 P9为31.0MPa)的静压 下,工作在指标范围内。

量程3: 3.45kPa至5.1MPa

量程4: 3.45kPa至13.7MPa

冲击压力极限

3051T型冲击压力为:

量程3-6: 13MPa 量程7-10: 175MPa

温度极限

环境 -40至85°C

带一体化表头: -20至80°C

贮存

-46至110°C 带一体化表头: -40至85°C

大于等于大气压下,见表4。

Static pressure limit

Only for 3051CD type

Under the static pressure of 3.45kPa to 24.8MPa (option P9 is 31.0MPa), working within the index range.

Range 3: 3.45kPa to 5.1MPa Range 4: 3.45kPa to 13.7MPa

Impact pressure limit

3051T type impact pressure is: Range 3-6: 13MPa Range 7-10: 175MPa

Temperature limit

Environment

-40 to 85℃ With integrated meter: -20 to 80℃

Storage

-46 to 110℃

With integrated meter: -40 to 85°C

Larger than or equal to the barometric pressure, see Table 4.

3051CD,3051CG,3051CA							
充硅油传感器 Sensor filled with silicon oil	-40至121°C ⁽²⁾						
配传统法兰 With traditional flange	-40至149°C ⁽²⁾						
配液位法兰 With level flange	-40至149°C (2)						
一体化阀组 Integrated valve block							
充惰性液传感器 sensor filled with inertial liquid	-18至85°C (3) (4)						
3051H型 (过 3051H type (程充液h li) process filled witquid)						
D.C硅油200 ⁽¹⁾ D.C silicon oil 200 ⁽¹⁾	-40至191°C						
惰性液 Inertial liquid	-45至177°C ⁽⁴⁾						
Neobee M-20 ⁽¹⁾	-18至191°C						
3051T型 (过 3051T type (程充液h li) process filled witquid)						
充硅油传感器 Sensor filled with silicon oil	-40至121°C (2)						
充惰性液传感器 Sensor filled with inertia liquid	-30至121°C ⁽²⁾						
3051 L型低压侧》 3051 L type temper	昷度 极限 rature limit at the low pressure side						
充硅油传感器 Sensor filled with silicon oil	-40至121°C (2)						
充惰性液传感器 Sensor filled with inertia liquid	-85至85°C						
3051 L型高压侧温度极限(过程剂 3051 L type temperature limit at the	液) high pressure side (process filled with liquid)						
SylthermXLT Syltherm转油704 ⁶⁸¹ Syltherm silicon oil 704 ⁶⁹¹ D. C. Eäilcon oil 200 惰性液 Inertial liquid	-100至300° F (-73至149°C) 60至572° F (15至300°C) -40至400° F (-40至205°C) -50至350° F (-45至177°C)						

- (1)过程温度超过1850F(85°C),要求环境温度极限降低级出值的1/1.5(3051H型降低1/0.6)。 (2)真空环境下极限为220°F(104°C),压力低于 3.4kPa时极限为1300F(54°C)。 (3)真空环境下极限为1600F(71°C)。
- (4) 不适用于3051CA型
- (5)温度上限适用于使用毛细管,远离变送器安装的 远传察封装置。

突现变化量

小王0 005in3(0 08cm3)

阻尼

模拟输出对阶跃输入变化的响应时间是由用户选择的一个时间常数(0-36秒)。该软件设定阻尼值不包括传感膜头的响应时间。

机械性能指标

电气接口

1/2-14NPT, PG13.5, G1/2与M20 x 1.5(CM20)导 线管。HART接口固定于端子块上。

- (1) process temperature exceeds 1850F(85°C), it is required that the ambient temperature limit decrease exceeds 1/1.5 of the value (3051H type reduces by 1/0.6
- (2) the limit under vacuum environment is 2200F(104 °C), the limit is 1300F(54°C) when the pressure is lower than 3.4kPa.
- (3) The limit under vacuum environment is 1600F(71°C). (4) Not applicable to 3051CA type. (5)The upper limit of the temperature is applicable to the
- capillary, away from the remote transmitting sealing device installed on the transmitter

Volume variation

Smaller than 0.005in3(0.08cm3)

Damp

The response time of analog output to the step input change is one time constant selected by the customer (0-36 seconds). The set damping value of this software does not include the response time of the sensing film head

Mechanical performance index Electric interface

1/2-14NPT, PG13.5, G1/2 and M20 x 1.5(CM20) wire conduit. The HART interface is fixed on the terminal block

过程接口

所有型号(除3051L与3051T)

所有坐亏(除3031上330311/ 1/4-18NPT,中心距为21/8英寸。 1/2-14NPT,中心距为2,21/8或21/4英寸。

高压侧: 2-, 3-或4-英寸, ANSI150、300或600级 法兰: 50、80或100毫米, PN40或10/16法兰。

低压侧: 法兰上, 1/4-18NPT

接头上, 1/2-14NPT

30511 型

1/4-18NPT 1/2-14NPT阴 螺 纹 DIN16288阳螺纹(仅限不锈钢,量程3-7变送器),或压力反应罐F-250-C型(减压9/16-18压盖螺纹; 1/40D高压60°维型管:仅限不锈钢,量程7变送 器)。

过程接液件过程隔离膜片

Process interface

All the model (except 3051), and 3051T)

1/4-18NPT, the center distance is 21/8 inch 1/2-14NPT, the center distance is 2, 21/8 or 21/4 inch.

3051L type

High pressure side: 2-, 3- or 4- inch, ANSI150, 300 or 600 class flange:50, 80 or 100 millimeters, PN40 or 10/16 flange.

Low pressure side: on the flange, 1/4-18NPT

On the joint, 1/2-14NPT

3051L type

1/4-18NPT, 1/2-14NPT female thread, G1/2A DIN16288 male thread (only for stainless steel, range 3-7transmitter), or pressure reaction tank F-250-C type (pressure relief 9/16-18 gland thread: 1/4OD high pressure 60° conical tube: only for stainless steel, range 7 transmitter)

Process liquid connection part

Process isolation diaphragm

隔离膜片材料 Isolation diaphragm material	3051CD/CG	3051T	3051CA	3051H	3051L
316L不锈钢 316L stainless steel	•	•	•	•	
哈氏金C-276 Hastelloy C-276	•	•	•	•	见后 See later
蒙乃尔 Monel	•		•		See later
钽 Tantalum	•			•	

排冻/排气阀

316不锈钢,哈氏合金C或蒙乃尔材料

过程法兰与接头

电镀碳钢,316不锈钢,哈氏合金C或蒙乃尔。

経済 ○ 型 な

氫橡胶(戓聚四氟乙烯

30511型过程接液件

法兰式过程接口(变送器高压侧)

过程膜片,包括过程垫圈接触表面

316L不锈钢、哈氏合金C-276或钼

伸出部分

316L不锈钢,或哈氏合金C。适用Schedule40与 80答.

安装法兰

碳钢镀锌或不锈钢

参考侧过程连接(变送器低压侧)

316L不锈钢或哈氏合金C-276

参考侧法兰与接头

316L不锈钢

非接液件

低铜铝或316L不锈钢, NENA4X, IP65, IP66

涂层(仅限铝外壳) 聚氨酯

表帯の型环

丁浩檢胶

Liquid/gas drain valve

316 stainless steel, hastelloy C or Monel material

Process flange and joint

Galvanized carbon steel, 316 stainless steel, hastelloy C or Monel

Liquid connection O-ring

Fluorine rubber (teflon)

3051 L process liquid connection part Flange process interface (high pressure side

of the transmitter) Process diaphragm, including process washer

contact surface 316L stainless steel, hastelloy C-276 or tantalum

Protruding part

316L stainless steel, or hastellov C. Applicable to tube Schedule40 and 80.

Installation flange

Carbon steel galvanized or stainless steel

Reference side process connection (low pressure side of the transmitter)

Isolation diaphragm

316L stainless steel or hastelloy C-276

Reference side flange and joint

316L stainless steel

Non liquid connection part

Electronic external shell

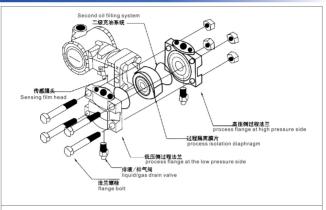
Low copper-aluminum or 316L stainless steel, NENA4X. IP65, Ip66

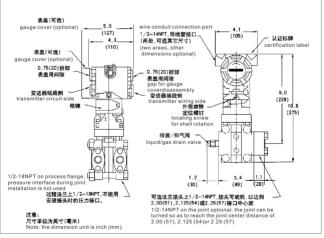
Electronic external shell DII

Meter cover O-ring

Nitrile-butadiene rubber

3051C型压力变送器部件分解图与尺寸图 Exploded View and Dimensions of 3015 Type Pressure Transmitter

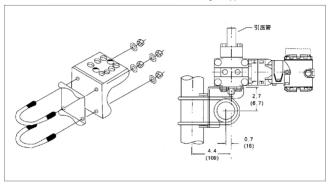




3051C型安装支架,用于2英寸管道安装和面板的安装 3051C Type Installation Frame, for 2 Inch Pipeline Installation and Panel Installatio

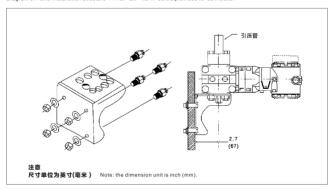
管道安装结构图

Structure diagram of pipeline installatio

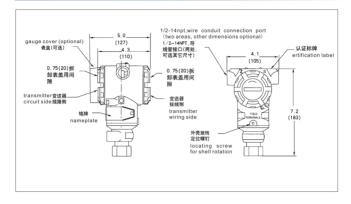


面板安装结构图提供(7/16)-20×(3/4)螺栓用于支架与变送器相连

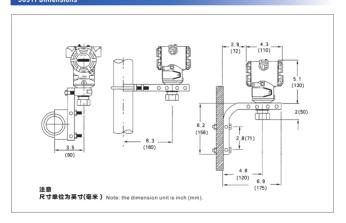
Diagram of Panel installation structure (7/16) -20× (3/4) bolt is provided for connection



3051T型典型安装结构,带有可选安装支架 3051T typical installation structure, with optional installation frame



3051T型尺寸图 3051T Dimensions



3051T型典型安装结构,带有可选安装支架 3051T typical installation structure, with optional installation frame

	c) prodrinotanation of	TK3051A/E	型差圧、表圧、១	8.压变送器选型			
항목	・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	TK3051A/B differential	pressure, gauge	pressure, absolute pressure	_		
model	transmitter type (select one)				CD	CG	CA
FK3051A-CD				±0.05-0.075%FS			
TK3051A-CH				±0.05~0.075%FS			
FK3051A-CA			mitter	±0.05-0.075%FS			
K3051B-CD				±0.1~0.2%FS			
K3051B-CH	表压变送器 gauge pressure tran	nsmitter		±0.1~0.2%FS			
K3051B-CA		ransmitter		±0.1~0.2%FS			
	压力范围(量程/最小量程) pressure range (range/minimum r	ange)				-	-
code	3051CD型 3051CDtype	3051CG型 3051CGty		3051CA型 3051CAtype			
2	-150至150mmH,O/10mmH,O (-1500至1500Pa/100Pa)	不提供not		不提供 not			
3	-750至750mmH,O/12mmH,O	-750至750mmH	,O/12mmH,O	-750至750mmH,O/12mmH,O	٠.		
	(-7500至7500Pa/120Pa) -4.0至4.0mH ₂ O/40mmH ₂ O	(-7500 <u>x</u> 75008 -4.0 <u>x</u> 4.0nH ₂ O		(-7500至7500Pa/120Pa) -4.0至4.0mH ₂ O/40mmH ₂ O		·	
4	(-7500至7500Pa/120Pa)	(-7500至7500F	Pa/120Pa)	(-7500至7500Pa/120Pa)			
5	-20至20mH,O/0.2mH,O (-200至200kPa/2.0kPa)	-10至20mH ₂ O/ (-100至200kPa		-10至20mH ₃ O/0.2mH ₃ O (-100至200kPa/2.0kPa)			
6	-70至70mH ₂ O/0.7mH ₂ O (-700至700kPa/7.0kPa)	-10至70mH,O/ (-100至700kPa		-10至70mH,O/0.7mH,O (-100至700kPa/7.0kPa)			
7	-210至210mH,O/2.1mH,O	-10至210mH ₂ O/	/2.1mH,O	-10至210mH,O/2.1mH,O			
	(-2.1至2.1MPa/21kPa) -700至700mH,O/7.0mH,O	(-0.1至2.1MPa -10至700mH,O/		(-0.1至2.1MPa/21kPa) -10至700mH ₂ O/7.0mH ₂ O	+ -		·
8	(-7.0至7.0MPa/70kPa)	(-0.1至7.0kPa	/70kPa)	(-0.1至7.0MPa/70kPa)			
9	-2100至2100mH,O/21mH,O (-21至21MPa/210kPa)	-10至2100mH ₂ 0 (-0.1至21MPa	0/21mH ₂ O /210kPa)	-10至2100mH,O/21mH,O (-0.1至21MPa/210kPa)			
注:30510	CG型的量程下限随大气压的变化而 nge with the change of barometric	改章					
代码	輸出	pressure under 305 i type			CD	CG	CA
code	output 4-20mA,带有基于HART协议的更	文字信号			CD		CA
A	4-20mA, with digital signal base					•	
В	PROF 1BUS-PA总线						
代码	结构材料 aterial of structural part				CD	CG	CA
code	法兰材料	排液/排气阀	法兰接头材				
	flange material 电镀磁钢	liquid/gas drain valve 不锈钢	flange joint 电镀磁钢	material	_		
5	electroplated carbon steel	stainless	electroplate	d carbon steel			
2	不锈钢 stainless	不锈钢 stainless	不锈钢 stainless				
3	不锈钢	哈氏合金C hastelloyC	哈氏合金C hastelloyC				
8	电镀碳钢	哈氏合金C	电镀碳钢				
	oplated carbon steel	hastelloyC	oplated cart	oon steel	<u> </u>		
7	不锈钢 stainless	哈氏合金C hastelloyC	不锈钢 stainless				
代码 code	隔离膜片材料					CG	CA
2	Isolated membrane material				CD	CG	
	Isolated membrane material 316L不锈钢				CD .		-
	Isolated membrane material 316L不锈鋼 316Lstainless 除氏会会C-276						
3	Isolated membrane material 316L不锈锅 316Lstainless 哈氏合金0-276 hastelloyC-276				CD .		
	Isolated membrane material 316Lrt核钢 318Lstainless 哈氏合金C-276 hastelloyC-276 擎乃尔 Monel						
3	Isolated membrane material 316L***Trigger 318L**stainless 哈氏合金C-276 hastelloyC-276 要乃尔 Monel 钽(仅适用于3051CD与ce型,复	世程4-9, 不适用于3051CA型 51CD and CG, range 4-9. N) ot applicable to 3	051CA type)			
3 4 5 代码	Isolated membrane material 316人不時期 316Lstainless 時氏合金C-276 hastelloyC-276 輩乃尔 Wonel 但(保速用于3051CD与C型、担 tantalum (only applicable to 305 〇型平	建程4-9,不适用于30510A型 I1CD and CG, range 4-9. N	i) ot applicable to 3	051CA type)			
3 4 5 代码 code	Isolated membrane material 314亿不特别 316Lstainless 能反合金C-276 hastelioyC-276 要为完 Monel 但(改進用于3051CD与C型、组 tanialum (only applicable to 305 O型环 O-41ng	世程4-9,不适用于3051CA型 1CD and CG, range 4-9. N	į) ot applicable to 3	051CA type)			-
3 4 5 代码 code	Isolated membrane material 314L不6時 316Lstainless 6形全会C-726 matelloyC-276 要7次 短 (改進用于3051CD均G型, 由antalum (only applicable to 305 O型环 (O-ring) 類數数	世程4-9,不适用于3051CA型 1CD and CG, range 4-9. N	() ot applicable to 3	051CA type)		· · · · · · · · · · · · · · · · · · ·	CA
3 4 5 代码 code	Isolated membrane material 316LT68期 316LT68期 316LT681 股份全-276 hastelloyC-276 度)及 份的。 以前的。 以前的。 以前的。 以前的。 以前的。 以前的。 以前的。 以前	世程4-9,不适用于30510A型 ICD and GG, range 4-9. N	?) ot applicable to 3	051CA type)			-
3 4 5 代码 code A B	Isolated membrane material 3161.不得明 3161.在361 BFR会会C-726 to 1997 BFR STATE TO STATE TO STATE BFR STATE TO STATE TO STATE TO STATE BFR STATE TO STATE TO STATE TO STATE TO STATE BFR STATE TO ST	度程4-9。不适用于3051CA型 JICD and CG, range 4-9-N	?) ot applicable to 3	051CA lype)		· · · · · · · · · · · · · · · · · · ·	CA
3 4 5 代码 code A B	Isolated membrane material 316.不能等 316.不能等 最大会会-27-26 hashelpo,C-27-36 bashelpo,C-27-36 但(代表展开2051CD1sco型, 但(代表展开2051CD1sco型, 是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是	建程4-9,不适用于3051CA型 11CD and CG, range 4-9. N	?) ot applicable to 3	051CA type)			CA
3 4 5 代码 code A B 代码 code	Isolated membrane material 316.不错解 376. 316.4元解 376. 316.4元解 376. 316.4元解 376. 316.3元解 376.	11CD and CG, range 4-9. N	() ot applicable to 3	951CA type)			CA CA
3 4 5 代码 code A B 代码 code	Isolated membrane material 316.14而模型 316.14而模型 316.14而模型 最高的 276 276 276 276 276 276 276 276	itCD and CG, range 4-9. N	() ot applicable to 3	061CA (ype)			CA CA
3 4 5 代码 code A B 代码 code	Isolated membrane material 316.不错解 376. 316.4元解 376. 316.4元解 376. 316.4元解 376. 316.3元解 376.	11CD and CG, range 4-9. N	ot applicable to 3	051CA type)			CA CA

注意: 特殊选项请与销售代表联系。

续选型 Continuous option type

odel	網組一体化安装选项 Valve integration installation option	CD	CG	CA
\$5	一体化安装型阀组 Integrated installation valve block			
七码	近传(可远) 注:标准法兰和接头螺栓是 316不锈钢			
ode	Remote transmitting (remote possible) Note: standard flange and joint bolt are made from stainless steel	CD	CG	CA
S1	一个远传(直接安装式就毛细管式)			Т
S1	One remote transmitting (directly installed or capillary type)			
S2	两个运传(直接安装式或毛细管式) Two remote transmitting (directly installed or capillary type)			
	可选全焊接运传 (用于高真空场合)			
码	注: 标准法兰和接头螺检是不锈钢	CD	CG	c
de	Optional fully-welded remote transmitting (applicable to the high vacuum situation) Note: standard flange and joint bolt are made from stainless steel			
S.7	一个运传, 全焊接系统(毛细管式)			
_	one remote transmitting, fully welded system (capillary type) 两个远传,全焊接系统(毛细管式)			-
8	Two remote transmitting, fully welded system (capillary type)	100		-
0	一个运传,全焊接系统(直接安装式) One remote transmitting, fully welded system (directly installed type)			١.
	两个运传,全焊接系统(一个直接安装式,一个毛细管式			
59	Two remote transmitting, fully welded system (one directly installed type, one capillary type)			
码de	安装支架选项 Installation frame option	CD	CG	С
	传统法兰支架 ,用于2英寸管道安装 ,碳铜螺栓			
31	Traditional flange support, used for 2 inch pipeline installation, carbon steel bolt		1 1	
12	传统法兰支架 , 用于面板安装 , 碳铜螺栓			
_	Traditional flange support, used for panel installation, carbon steel bolt			Н
33	传统法兰平支架 ,用于2英寸管道安装 ,碳铜螺栓 Traditional flange flat support, used for 2 inch pipeline installation, carbon steel bolt			
37	B1支架, 配不锈钢螺栓			\vdash
_	B1 support, with stainless steel bolt B2支架,配不锈钢螺栓			-
88	B1 support, with stainless steel bolt		-	_
39	B3支架,配不锈钢螺栓 B3 support with stainless steel holt			
B A	B3 support, with stainless steel bolt 不锈铜 B1支架,配不锈铜螺栓			Т
	Stainless steel B1 support, with stainless steel bolt 不锈钢B3支架,配不锈钢螺栓	-	-	H
30	Stainless steel B3 support, with stainless steel bolt 螺栓选項		-	
de	Bolt option	CD	CG	C
4	316不锈钢螺栓 316 stainless bolt			
.5	碳銅鍍锌螺栓			١.
	破钢镀锌螺栓 Carbon steel galvanized bolt 表头可选			
码 de	Carbon steel galvanized bolt 泰天可选 Meter optional	CD.	CG	С
码 ode d5	Carbon steel galvanized bolt 泰夫明高 <u>Mater and FTGMP</u> Laudi Crystal metr, used for aluninum shell	CD	cg .	С
码 de l5	Carbon steel galvanized bolt 泰美州章 Water ontional Jamasky, 用于铝射州贵 Liquid crystal meter, used for aluminum shell 其它高滑	CD .	CG CG	
码 de l5 码 de	Ourbon steel galvanized belt 報答可思。 經濟可思。 18.			
码 de l5 码 de	Ourbon steel galvanized bolt 表头明意, Masser_ourbon Masser_ourbon Handle Handle Handle Handle Handle Handle Handle		CG	
码 de 15 码 de 14	Carbon steel galvanized bolt 表头形式 Water optional Water optional Water optional Raday, 用于铝射外类 Liquid crystal mater, used for aluminum shell REC基项 Other options White options Water opti		CG	
码 de 15 码 de 14	Corbon steel galvanized bolt 表实现象。 Market as . 用于可能的表 Liquid crystal ester, used for aluminum shell 其它表質 使there actions Imagestion certificate Imagestion certificate Des 型度使限制系统流域 Outface finish certification for hygiene remote transmitting disphrages Outface finish certification for hygiene remote transmitting disphrages		CG	
码 de de de de 16	Carbon steel galvanized bolt 表头可靠 Water optional Water options of the option options of the option of the options 安徽	CD .	cg .	c
码 de lis 码 de lis	Gorbon steel galvanized belt 最大可思。 基本可思。 Harman steel galvanized Harman steel galvanized Harman steel galvanized Harman steel galvanized Galvanized galvanized Galvanized Harman steel galvanized Harman steel	CD .	CG	c
.5 码。de //5 码。de //5 //3 //15 //15 //15 //15 //15 //15 /	Carbon steel galvanized bolt 表头形式 Land State of Carbon steel galvanized bolt 表头形式 Land State of Carbon steel stee	CD .	cs .	c
码 de l5 码 de l4 l1	Carbon steel galvanized bolt 부동구경 Hater options: Hater opt	CD .	CG	c
码 de 15 码 de 14 16 13 13 11 13	Corbon steel galvanized bolt 表头形态 ************************************	CD .	cs .	c
码 de de de de de 115 116 116 117 117 118 118 118 118 118 118 118 118	Carbon steel galvanized bolt 表头形式 expressions at seal galvanized bolt galvanized seal galvanized bolt galvanized galvani	. CD		c
码 de lis 码 de lis	Garbon steel galvanized bolt 基本元素。 基本元素。	. CD	. CG	- C
码 de lis 码 de lis	Gorbon steel galvanized bolt 表头形面 Martin and martin steel selection of the selection of t	. CD	. CG	
码 de lis 码 de lis de lis	Corbon steel galvanized bolt 表头形式 steel galvanized bolt steel galvanized bolt steel galvanized steel galvanized steel galvanized ga	. CD	. CG	- C
码 de l5 码 de l4 l16 l13 l1 l13 l1 l2 l1 l2	Garbon steel galvanized bolt 表头语言 steel galvanized bolt 表头语言 steel galvanized bolt galvanized steel galvanized steel galvanized gal	. CD	. CG	- C
码 de	Corbon steel galvanized bolt 表头形式 cortions # # # # # # # # # # # # # # # # # # #	. CD	. CG	- C
码 のde #5 - 码 のde 24 116 23 J1 J1 D1 P1 P2 P7 P7 P7 P7 P7 P7 P7 P7 P7 P7	Garbon steel galvanized belt 表示可能 steel s	. CD	. CG	- C
码 de	Corbon steel galvanized bolt 表头形态 基实现在	. CD	. CG	
码 のde #5 - 码 のde 24 116 23 J1 J1 D1 P1 P2 P7 P7 P7 P7 P7 P7 P7 P7 P7 P7	Garbon steel galvanized bolt 表示写真 steel and steel galvanized bolt 表示写真 steel galvanized bolt steel galvanized steel galvaniz	. CD		
码 de lis 码 de lis 码 de lis	Corbon steel galvenized bolt 表头形式 steel s	. CD	- CG	

3051L型液位变送器选型 3051L type liquid level transmitter selection

Boda Transmitter Type	70 0	Tax 14 10 44 11			
対象性の表現	필号 Model	变送器类型 Transmitter Type			
行真					
Code	3051L				
3 - 750至 750mm12 0/12 mm12 0 (-7500至7500P7/45Pa) 4 - 4-4 C - 0m12 0 / 4 mm12 0 (- 4 c - 0 mm2 0 mm / 4 mm					
4 - 4年 名 - 0 mH 2 O (- 4 0 至 4 0 m 2 0 (- 1 0 至 2 0 m 2		Pressure scope (range/minimum range)	`		
520至 20mH2 Q / Q - 20		-4至4 0mH2 0/40mmH2 0 (-40至40kPa/AkPa)	,		
		-20至 20mH2 0/0, 2mH2 0 (-200至 200kPa/20kPa)			
作品					
Code 機関		-210至 210mH2 0/2.1mH2 0 (-2.1至 2.1MPa/21kPa)			
8		輸出 Output			
B					
商店側			RT		
Teach Te		高压侧		40 山 上 10	
Content					
□ ○ 2	Code		Material		
NO	60		316L不锈钢	只有平膜片式	
A 2 3東寸 / 2018 10 31 61 本情報 2 東寸 / 50 mm	H0				
A 2					
A					
According 10					
BD					
B2					
B 4					
00					
C2					
Get					
CC					
DO					
D2					
Del					
DO					
FO	D 6		哈氏合金	6英寸 /150mm	
大名 大名 大名 大名 大名 大名 大名 大名					
代表	F0			只有平膜片式	
But	44 四			27 EL	伸出长度
************************************			法兰等级		Protrudin g length
A 12年寸 150億 提明 3東寸 150億 提明 3東寸 150億 提明 3東寸 150億 提明 3東寸 150億 提明 2東寸 150億 規則 2東寸 300億 規則 2東寸 300億 規則 2東寸 300億 規則 2東寸 0 4東寸 500億 規則 3東寸 500億 規則 2東寸 600億 規則 2東寸 600億 規則 2東寸 500億 不妨例 1東寸 150億 不妨例 2東寸 150億 平 150億					
■ 4 東寸 150億 規則 4 東寸 300億 規則 4 東寸 300億 規則 4 東寸 300億 規則 2 東寸 500億 規則 2 東寸 600億 規則 2 東寸 600億 規則 2 東寸 600億 規則 2 東寸 600億 規則 7 東寸 150億 不持則 2 東寸 150億 平					2英寸 DN50
N 2度寸 300億 世界 2度寸 C 3度寸 300億 世界 2度 D 4度寸 300億 規則 4度 E 3度寸 600億 規則 2度 E 3度寸 600億 規則 2度 F 2度寸 150億 不妨例 2度 F 3度寸 150億 不妨例 2度 Y 2度寸 150億 不妨例 2度 Y 2度寸 300億 不妨例 2度 J 4度寸 300億 不妨例 2度 J 4度寸 300億 不妨例 4度 L 3度寸 600億 不妨例 3度 L 3度寸 600億 不妨例 3度 A 000億 不妨例 3度 A 000億 不妨例 3度 A 000億 PM10/16 期別 3度 A 000億 PM10/16 期別 3度 A 000億 PM10/16 期別 2度 A 000億 PM10/16 期別 2度 A 0000 PM10/16 不妨別					3英寸 DN80 4英寸 DN100
C 3万寸 300級 規則 3頁 D 4天寸 300級 規則 3頁 P 2戻寸 600級 規則 2月で X 2戻寸 600級 規則 2月で X 2戻寸 150級 不透明 2月で 6 4戻寸 150級 不透明 4月で 6 4戻寸 150級 不透明 4月で 8 1月 130級 不透明 4月で 9 4尺寸 300級 不透明 4月で 1 4戻寸 300級 不透明 4月で 2 2 2付寸 600級 不透明 4月で 1 0 005 PN10716 規則 3月で 2 0 005 PN10716 規則 3月で 3 0 00100 PN400 規則 3月で 4 0 005 PN10716 規則 4月で 3 0 00100 PN10716 規則 4月で 4 0 005 PN10716 規則 4月で 4 0 005 PN10716 規則 4月で 4 0 005 PN10716 規則 4月で					2英寸 DN50
P 2 東寸 600級 報明 2 東寸 X 2 東寸 600級 報明 2 東寸 X 2 東寸 150級 不特明 2 東寸 6 4 東寸 150級 不特明 4 東寸 8 7 2 東寸 300級 不特明 2 東寸 8 2 東寸 300級 不特別 2 東寸 8 3 東寸 400級 不特別 2 東寸 6 4 東寸 400級 不特別 2 東寸 6 600級 不特別 2 東寸 6 000級 不特別 2 東寸 8 0000 7 特別 2 東寸 9 000% 7 特別 2 東寸 8 000% 7 特別 2 東寸 9 000% 7 特別 2 東寸 8 000% 7 特別 2 東寸 9 000% 7 特別 2 東寸 9 000% 7 特別 2 東寸 9 000% 7 特別 2 東寸 <	C		300級	碳 钢	3英寸 DN80
E 3 第寸 600級 限别 3 第寸					4英寸 DN100
X 2萬寸					2英寸 DN50
F 3素寸 150級 不锈鋼 3素で 150級 不锈鋼 3素で Y 2条寸 150級 不锈鋼 3素で Y 2条寸 150級 不锈鋼 2素で Y 2条寸 300級 不锈鋼 2素で 300級 不锈鋼 2素で 300級 不锈鋼 2素で J 4条寸 300級 不锈鋼 4素で J 4条寸 300級 不锈鋼 4素で J 4条寸 300級 不锈鋼 4素で J 4条寸 500級 不锈鋼 4素で 600級 不锈鋼 3素で B 10M30 PM10/16					3英寸 DN80
G 4集寸 150億 不锈钢 4集 7					2英寸 DN50
Y 2 東寸 300級 不妨報 2 東寸 J 3 年末寸 300級 不妨報 4 東寸 J 4 東寸 300級 不妨報 4 東寸 C 2 東寸 600級 不妨報 2 東寸 L 3 東寸 600級 不妨報 3 東寸 D N10 PN10/16 機関 2 東寸 R DN10 PN40 機関 3 東寸 V DN10 PN40 機関 4 東寸 V DN10 PN10/16 機関 4 東寸 T DN10 PN40 不透明 4 東寸 U DN100 PN40 不透明 4 東寸 T DN100 PN10/16 不透明 4 東寸 T DN100 PN10/16 不透明 4 東寸 Code Process Liquid Filling - Nigh Pressure Side Temperature Limit FN10/16 TM10					3英寸 DN80 4英寸 DN100
H 3東寸 300級					2英寸 DN50
Z 2 美寸 600級 不銹鋼 2 美寸 L 3 美寸 600級 不銹鋼 2 美寸 0 0 M50 PN10/16 缓劈 2 美寸 8 0 M100 PN40 缓劈 2 美寸 V 0 M100 PN10/16 缓劈 4 美寸 K 0 M50 PN10/16 死劈 4 支寸 T 0 M80 PN40 不透明 2 支寸 U 0 M100 PN40 不透明 4 支寸 E 0 M100 PN10/16 不透明 4 支寸 CGde Precess Liquid Filling - High Pressure Side Remperature Limit ************************************	Н				3英寸 DN80
L 3素寸 600億 不透明 3素で 8 00% 不透明 3素で 8 00% PN10716 環明 3素で 8 00% PN10716 環明 3素で 8 00% PN10716 環明 3素で V 00% PN10716 環明 4素で V 00% PN10716 不透明 3素で V 00% PN10716 不透明 3素で V 00% PN10716 不透明 3素で V 00% PN10716 不透明 4素で V 00% PN10716 不透明 4素で V 00% PN10716 不透明 4素で C 00% PN10716 下 C 00%					4英寸 DN100
0 DN50 PN10/16 聚朝 2直					2英寸 DN50
8					3英寸 DN80
S DN100 PN400 股份 4款					2英寸 DN50 3英寸 DN80
Y ON100 PRIO/16 提明 4英 K 0N50 PRIO/40 不透明 2至 T 0N80 PR40 不透明 3至で U 0N100 PR40 不透明 4至で W 0N100 PN40 不透明 4至で 代码 位里完准 不透明 4至で Code Process Liquid Filling - Migh Pressure Side Temperature Limit					4英寸 DN100
K DM50 PM10/40 不锈钢 2減 T DM50 PM40 不锈钢 3減 U DM100 PM40 不锈钢 4減 E DM100 PM10/16 不锈钢 4減 C(5) 过程免滞一高延钢 企業で 2減 2減 Code Process Liquid Filling - High Pressure Side Imperature Limit 1 1					4英寸 DN100
U DN100 PR40 不锈钢 4葉7 B DN100 PR10/16 不锈钢 4葉7 代码 过程光谱-高压钢 置度级限 Code Process Liquid Filling - High Pressure Side Temperature Limit	К	DN50	PN10/40	不锈铜	2英寸 DN50
N DN100 PN10/16 不锈钢 4英寸 任時 过程充油 - 高圧倒 温度级限 Code Process Liquid Filling - High Pressure Side Temperature Limit					3英寸 DN80
代码 过程充液 -高压侧 温度极限 Code Process Liquid Filling - High Pressure Side Temperature Limit					4英寸 DN100
Code Process Liquid Filling - High Pressure Side Temperature Limit				小 绣 铜	4英寸 DN100
	A	Syltherm XLT	-100至300°F (-73至135°C)		
Culabara Et in 704					
Syltherm silicon oil 704	С	Syltherm silicon oil 704	60至572°F (15至300°C)		
D. C. 硅油 20040 至 40 至 205 C)	D	D. C. 硅油 200	-40至400°F (-40至205°C)		
D.C. Silicon oil 200		D.C. Silicon oil 200			

代 码 Code

续选型号 Continuous option type

低压倒结构

Structure at Low Pressure Side 表压 Gauge pressure 法兰接头 Flange Joint

膜片材料 Diaphragm Material

11	表压 Gauge pressure	不锈钢 Stainless stee	I 316L SST	5	硅油 Silicon oil 硅油	
21	表压 Gauge pressure	不锈钢 Stainless stee	I 316L SST		Silicon oil	
22	表压 Gauge pressure	不锈钢 Stainless stee	哈氏合金C-275 Hastelloy C-27		硅油 Silicon oil	
23	表压 Gauge pressure	不锈钢 Stainless stee	ridotolloy o Er		硅油 Silicon oil 肯性液(鹵代烃)	
2A	表压 Gauge pressure	不锈钢 Stainless stee		Ť	育性液(卤代烃) partia liquid (balo	nenated hydrocarbon)
2B	表压 Gauge pressure	不锈钢 Stainless stee		Ť	有性液(卤代烃)	genated hydrocarbon) genated hydrocarbon)
20	表压 Gauge pressure	不锈钢 Stainless stee	哈氏合金C-275		育性液(卤代烃)	
31	表压 Gauge pressure	不锈钢 Stainless stee		- 5	昔油(要求迭代码S1	genated hydrocarbon))
		-1-10 to Stalliess stee	3100.331		lilicon oil (it is req	uired to select the code S
代 码 Code	〇型环材料					
Code	O-ring material					
A	無橡胶 Florine rubber					
代码	外壳材料	导管入口尺	! 寸			
Code	Material of external shell	Entry size	of the conduit			
В	铝。覆聚氨酯涂层 Aluminum, covered with PU	M20X 1.5(CM20)			
代码	运传(可选)					
Code	Remote transmitting (optional)				
S1	一个运传(低压倒代码应为31,	采用毛细管式远传)				
	One remote transmitting (the	code at the low pressure :	side should be 31, with ca	apillary type of remi	ote transmitting)	
代码 Code	法兰与接头用螺栓(可选) Flange and joint bolts (option:	al)				
0000						
L5	碳钢镀锌螺栓 Carbon steel galvanized bolt					
代码	表斗(洗顶)					
Code	Meter (optional)					
M5	液晶表头,用于铝制外壳					
MO	Liquid crystal meter, for alumi	num shell				
代码 Code	其它选项 Other options					
94	校验数据单 Check the datas	heet				
98	材料可跟踪性证书 Material to					
01	定制软件组态 Customized so					
CN	外部接地螺钉组件 External g	rounding bolt assembly				
V5	下套冲洗连接选项 Lowersle	eve flushing connection o	ption			
		Firm	冲洗连接 ning Connection		膜片尺寸 iaphragm Size	
代 码 Code	冲洗连接环材料 Flushing Connection Ring M	aterial 数量	尺寸	2英寸	3帯寸	4英寸
	不锈钢	Qty.	Size	2-inch	2-inch	2-inch
F1	Stainless steel	1	1/4	•	•	•
F2	不锈钢 Stainless steel	2	1/4	•	•	•
F2 ⁽¹⁾	哈氏合金 Hastelloy	1	1/4	•	•	
F4 (1)	給氏合金			-	-	-
	Hastelloy 不領額	2	1/4	•	•	•
F7	Stainless steel	1	1/4	•	•	•
F8	不锈钢 Stainless steel	2	1/4	•	•	•
	给氏合金	1	1/4	_	_	_
F9				•	•	•
F9	Hastelloy			•	•	•
F9 F0	Hastelloy 哈氏合金 Hastelloy	2	1/4			
F0	哈氏合金 Hastelloy	2	1/4			
F0 (1)注:F3,F	哈氏合金		1/4			
F0 (1)注: F3, F (1) Note: F3;	哈氏合金 Hastelloy 4不适用于选项代码A0、B0、G0。		1/4			
F0 (1)注: F3, F (1) Note: F3;	哈氏合金 Hastelloy 4不适用于选项代码A0、B0、G0。 and F4 are not applicable to optio		1/4			
F0 (1)注: F3, F (1) Note: F3: 典型型号: 3 Typical mod 代码 Code	結氏合金 Hastelloy 4不適用于遠境代码A0、B0、G0、 and F4 are not applicable to optio 551L 2 A A0 A D 21 A A M5 cs 3051L 2 A A0 A D 21 A A M5 危险場所认证 Dangerous site certification 本安 in ICT4/CT6		1/4			
F0 (1)注: F3, F (1) Note: F3; 典型型号: 30 Typical mod	略氏合金 Hastelloy 4不適用于遠流代码A0, 80, 80, and F4 are not applicable to optio 151L 2 A A0 A D 21 A A M5 e: 3051L 2 A A0 A D 21 A A M5 aps 場所以证 Dangerous site certification 本安: i=ICT4/CT6 Intrinsic safety i=ICT4/CT6		1/9			
F0 (1)注: F3, F (1) Note: F3: 典型型号: 3 Typical mod 代码 Code	結氏合金 Hastelloy 4不適用于遠境代码A0、B0、G0、 and F4 are not applicable to optio 551L 2 A A0 A D 21 A A M5 cs 3051L 2 A A0 A D 21 A A M5 危险場所认证 Dangerous site certification 本安 in ICT4/CT6	n code A0, BO, GO.	174			

传感器充液 Liquid Filling of Sensor

高温高压变送器 High temperature and high pressure transmitter

代码	低压侧结构	法兰接头	膜片材料	传感器充液	
Code	Structure at Low Pressure Side	Flange Joint	Diaphragm Materia	Liquid Filling of Sensor	
11	表压 Gauge pressure	不锈钢 Stainless steel	316L SST	硅油 Silicon oil 硅油	
21	表压 Gauge pressure	不锈钢 Stainless steel	316L SST	Silicon oil	
22	表压 Gauge pressure	不锈钢 Stainless steel	哈氏合金C-275	軽油 Silicon oil	
23	表压 Gauge pressure	不锈钢 Stainless steel	Hastelloy C-275 316L SST	硅油	
2A	表压 Gauge pressure	不锈钢 Stainless steel	担 Tantalum	Silicon oil 惰性液 (衛代烃) Inertia liquid (halonen stad budrocarbo	n)
2B	表压 Gauge pressure	不锈钢 Stainless steel	316L SST	Inertia liquid (halogenated hydrocarbo 惰性液(卤代烃) Inertia liquid (halogenated hydrocarbo	n)
20	表压 Gauge pressure	不锈钢 Stainless steel	哈氏合金C-275	惰性液(卤代烃)	
31	表压 Gauge pressure	不锈钢 Stainless steel	Hastelloy C-275 316L SST	Inertia liquid (halogenated hydrocarbo 硅油(要求选代码81)	
代 码 Code	○型环材料	i ji ji ji damada dada	0.02.001	Silicon oil (it is required to select the co	ide S
A	O-ring material 無橡胶 Florine rubber				
代码 Code	外壳材料 Material of external shell	导管入口尺寸 Entry size of the	conduit		
В	铝。覆聚氨酯涂层 Aluminum, covered with PU	M20X 1.5(CM20			
代 码 Code	远传(可选) Remote transmitting (optiona	ıl)			
S1	一个远传(低压倒代码应为31		should be 31, with capilla	ry type of remote transmitting)	
代 码 Code	法兰与接头用螺栓(可选) Flange and joint bolts (option	ral)			
L5	碳钢镀锌螺栓 Carbon steel galvanized bolt				
代码 Code	表头(选项) Meter (optional)				
M5	液晶表头,用于铝制外壳 Liquid crystal meter, for alum	inum shell			
代 码 Code	其它选项 Other options				
04	校验数据单 Check the data:	sheet			
0.8	材料可跟踪性证书 Material t	raceability certificate			
01	定制软件组态 Customized s	oftware configuration			
CN	外部接地螺钉组件 External	grounding bolt assembly			
V5	下套冲洗连接选项 Lowersle	eve flushing connection option			
		冲洗	连接	膜片尺寸	_
代 码 Code	冲洗连接环材料 Flushing Connection Ring M	Flushing (Connection	Diaphragm Size 2英寸 3英寸 4英寸	
Code		Qty.	Size	2-inch 2-inch 2-inch	
F1	不锈钢 Stainless steel	1	1/4		
F2	不锈钢 Stainless steel				
_{En} (1)	哈氏合金	2	1/4		
F4 (1)	Hastelloy 終氏合金	1	1/4	• • •	
	Hastelloy 不锈钢	2	1/4		
F7	Stainless steel	1	1/4		
F8	不锈钢 Stainless steel	2	1/4		
F9	哈氏合金 Hastelloy	1	1/4		
F0	哈氏合金 Hastelloy	2	1/4	• • •	
(1)注: F3, F (1) Note: F3	4不适用于选项代码A0、B0、G0。 and F4 are not applicable to optic	on code A0, BO, GO.			_
典型型号: 3 Typical mor	051L 2 A AO A D 21 A A M5 de: 3051L 2 A AO A D 21 A A M5				
代 码 Code	危险场所认证 Dangerous site certification				
E5	本安 iall CT4/CT6 Intrinsic safety iall CT4/CT6 隔爆 d CT4/CT6				
K5	阿畑 d CT4/CT6 Explosion suppression dllCT	4/CT6			

代码 Code	安装支架选項 Installation frame option	
B1	传统法兰支架,用于2英寸管道安装,褒铜螺栓 Traditional flange support, used for 2 inch pipeline installation, carbon steel bolt	
B2	传統法兰支架,用于面板安装,碳铜螺栓 Traditional flange frame, used for panel installation, carbon steel bolt	
В3	传统法兰支架,用于面板安装,碳铜螺栓 Traditional flange frame, used for panel installation, carbon steel bolt	
B7	B1支架,配不锈钢螺栓 B1 support, with stainless steel bolt	
B8	B2支架,配不锈钢螺栓 B2 support, with stainless steel bolt	
B9	B3支架,配不锈铜螺栓 B3 support, with stainless steel bolt	
BA	不锈钢B1支架,配不锈钢螺栓 Stainless B1 frame, with stainless steel bolt	
BC	不锈钢B3支架,配不锈钢螺栓 Stainless B3 frame, with stainless steel bolt	
代码 Code	螺栓选项 Bolt option	
L4	316不锈钢螺栓 316 stainless steel bolt	
L5	碳铜镀锌螺栓 Carbon steel galvanized bolt	
代码 Code	Code 表头可透 Meter optional	
M5	液晶素头,用于铝制外壳 Liquid crystal meter, for aluminum shell	
代码 Code	Code 其它选项 Other options	
Q4	校验证书 Check the certificate	
Q16	卫生型远传膜片表面光洁认证 Hygiene remote transmitting diaphragm surface finish certification	
Q3	安全型仪表系统的质量认证 Quality certification of safety instrument system	
J1	有本机零点或量程调整 Zero point or range adjustment with native machine	
J3	无本机零点或量程调整 Zero point or range adjustment without native machine	
T1	附瞬变电压保护端子块 Protection terminal block resistant to transient voltage	
CI	定制软件组态 Customized software configuration	
PI	静压测试 Static pressure test	
P2	清洗,用于特殊应用场合 Cleaning, used for special applications	
DF	1/2-14NPT过程接口(法兰按头)一材料与法兰材料相同 1/2-14NPT process interface (flange joint) - material is the same as the flange material	
P9	31MPa静圧极限(仅限305 CD型,量程2-5) 31MPa static pressure limit (only for 305 I CD type, range 2-5)	
V5	外部接地螺钉组件 External grounding bolt assembly	
代码 Code	危险场所认证 Dangerous site certification	
E5	本安Intrinsic safety ia II CT4/CT6	
K5	隔堰Explosion suppression d II CT4/CT6	

RTW型螺纹安装远传法兰 RTW type bolt installation remote transmitting flange

퓦号	法兰过程迎接型式	
Model	Flange process connection type	
1199RTW型	螺纹安装远传法兰	
1199RTW	神泉女家庭日本二 Thread installation remote transmitting flange	
type		
代号	清洗连接孔	
Code	Cleaning connection hole	
11	无 None	
21	有 Yes	
代号	远传装置膜片材料	
Code	Diaphragm material for remote transmitting device	
A	316LSST	
В	哈氏合金 C-276	
	Hastelloy C-276	
С	钽	
	Tantalum	
代号	结构件材料	
Code	Material of structure part	
11	上套为 316LSST, 安装环为碳钢	
	316LSST for upper sleeve Carbon steel for installation ring	
代号	下套材料	
Code	Material for lower sleeve	
A	316LSST	
В	哈氏合金 C-276	
	Hastelloy C-276	
С	碳钢(电镀)	
	Hastelloy C Carbon steel (electroplating)	
代号	引压连接孔	
Code	Pressure-leading connection hole	
11	1/4″NPT(锥管螺纹) (conical pipe thread)	
12	3/8° NPT(锥管螺纹) (conical pipe thread)	
13	1/2" NPT(锥管螺纹)(conical pipe thread)	
15	1 * NPT(维管螺纹)(conical pipe thread)	
17	1-1/2* NPT(锥管螺纹)(不带清洗备用孔)	
	(conical pipe thread) (without cleaning standby hole)	
1199RTW	11 A 11 A 17 鼻型型号 Typical model	

PFW扁平式远传法兰 PFW flat remote transmitting flange

型 号	法兰过程连接型式		
Model	Flange process connection type		
1199PFW型	扁平式远传法兰		
1199pfw type	Flat type remote transmitting flange		
代号	型式		
Code	Туре		
11	标准3″-150和300 lb		
111	Standard 3" -150 and 300 lb		
代号	远传装置膜片材料		
Code	Diaphragm material for remote transmitting device		
A	316LSST		
	哈氏合金 C-276		
В	Hastelloy C-276		
С	钽		
	Tantalum		
代号	结构件材料		
Code	Material of structure part		
	上套为 316LSST, 安装环为碳钢		
11	316LSST for upper sleeve Carbon steel for installation ring		
代号	売体材料		
Code	Shell material		
11	316LSST		
1199PFW 11 A 11 A 17 _典型型号 Typical model			