

2020 E/A1.0



www.hjsensor.com



南京航伽电子科技有限公司

Nanjing Hangjia Electronic Technology Co., Ltd.

地址: 南京市雨花经济开发区凤华路18号

Address: No.18, Fenghua Road, Yuhua Zone, Nanjing, China

邮编/P.C.: 210096

电话/Tel: +86(0)25 85897760

传真/Fax: +86(0)25 85897760

热线/Hotline: 400 855 6108

销售/Sales: +86 (0)25 66090018

技术/Tech.: +86 (0)25 66090058

手机/Mobile: +86 18651815588

邮箱/E-mail: hjkj@hjsensor.com

网站/Web: www.hjsensor.com

工业传感器选型手册

INDUSTRIAL SENSOR SELECTION MANUAL



航伽科技

HANGJIA TECHNOLOGIES



Specialized in
Automation for 15 years

专注自动化15年

企业简介 ABOUT US

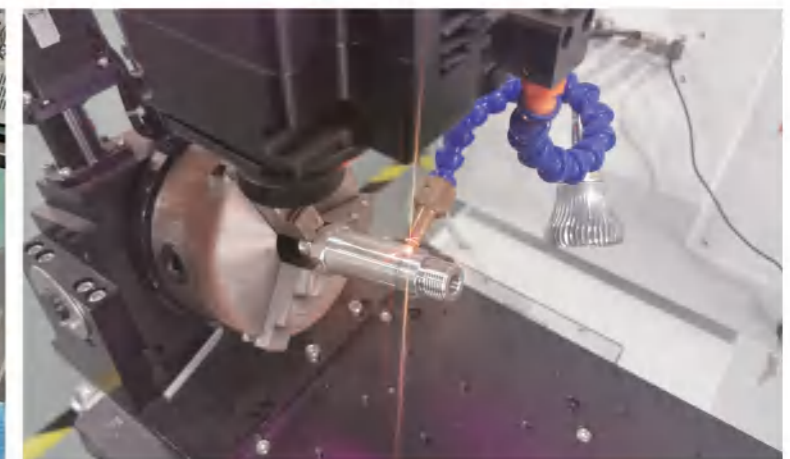


航伽科技是一家中美合资的国家高新技术企业和双软企业。集团总部与设计中心位于美国科罗拉多，并在中国南京和中国深圳设有研发与制造基地。公司专注于各类传感器，测控系统及物联网的研发、生产、销售和服务。公司坚持专业化、定制化、智能化的产品理念，从技术咨询、专业化定制到最终按需量产，帮助客户优化工艺过程，创造和传递价值。

我们一直坚持以技术领先和智造工艺为核心竞争力，每个产品都经过自动线性校准来确保产品精度，自动温度补偿来确保宽温特性，实时老化记录和分析来确保时漂性能，压力循环冲击测试来确保长期稳定性。我们从可靠性、安全性、专业性和高效性方面出发，与工程机械、水处理、食品医药、环保、电力、冶金、造船等众多领域的客户保持密切合作。

Hangjia Technology is a Sino-US Joint Venture company, also with hi-tech enterprise qualification and Software enterprise & Software product certification. Head quarter of the company is located in Colorado, US. Developing and manufacturing center is in Nanjing and Shenzhen, China. We focus on the development, manufacture and service of sensors, transmitter and IOT. Our product idea is professionalization, customization and intelligentization, helping customer optimize process and create values from technology consulting and customized production.

Leading technology and intelligent manufacture are the core competence of the company. Each product delivered to customer is processed through automatic temperature compensation, linear calibration, aging testing and rounds of pressure testing, to ensure temperature characteristic, accuracy, deviation and stability. We are working closely with customers of engineer machine, water treatment, food & drug industry, environmental protection, power enterprise, metallurgy industry, shipbuilding and so on.



“荣誉和资质”

Honors and Qualifications



型式批准证书及制造许可认证



质量管理体系及工厂认证



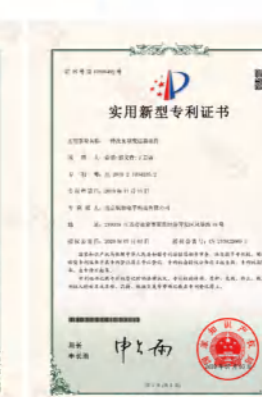
CE认证



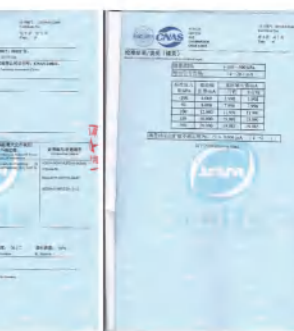
防爆证书



发明专利及知识产权



CNAS证书





HJSENSOR HJSENSOR

目录 | Catalog

压力 Pressure	高精度智能型压力变送器 High-precision Intelligent Pressure Transmitter	07
压力 Pressure	投入式液位变送器 Submersible Level Transmitter	08
压力 Pressure	卫生型压力变送器 Hygienic Pressure Transmitter	09
压力 Pressure	工业型压力变送器 Industrial Pressure Transmitter	11
压力 Pressure	防护型压力变送器 Protective Pressure Transmitter	15
压力 Pressure	开关控制 Switch Control	17
压力 Pressure	差压变送器 Differential Pressure Transmitter	18
温度 Temperature	温度变送器 Temperature Transmitter	19
流量 Flow	流量计 Flowmeter	20
物位 Level	物位计 Level Meter	21
振动 Vibration	速度和加速度传感器 Velocity Sensor and Acceleration Sensor	22

性能指标 Performance



HPM81/82单晶硅差压变送器/HPM81/82 Monosilicon Differential Pressure Transmitter

量程范围/Pressure Range

量程 Range	kPa	单边过压 Unilateral overpressure	双边静压 Bilateral static pressure
S1	-1~1	2MPa	10MPa
S2	-6~6	3MPa	25MPa
M1	-40~40	16MPa	40MPa
M2	-100~100	16MPa	40MPa
M3	-200~200	16MPa	40MPa
M4	-400~400	16MPa	40MPa
L1	-4000~4000	16MPa	40MPa

输出信号/Output Signal: (4~20)mADC+HART
 供电电源/Supply Voltage: DC10.5~45V
 工作温度/Working Temperature: -40~125°C
 精度/Accuracy: ±0.075%FS
 压力接口/Pressure Port: NPT1/4 (F), M20*1.5 (M), etc.
 防爆等级/Explosion Proof: Ex d II CT4~T6 Gb, Ex ia II CT4 Ga



HPM85单晶硅隔膜密封差压变送器/HPM85 Monosilicon Diaphragm Sealed Differential Pressure Transmitter

量程范围/Pressure Range

量程 Range	kPa	单边过压 Unilateral overpressure	双边静压 Bilateral static pressure
M1	-40~40	16MPa	40MPa
M2	-100~100	16MPa	40MPa
M3	-200~200	16MPa	40MPa
M4	-400~400	16MPa	40MPa
L1	-4000~4000	16MPa	40MPa

输出信号/Output Signal: (4~20)mADC+HART
 供电电源/Supply Voltage: DC10.5~45V
 工作温度/Working Temperature: -40~125°C
 精度/Accuracy: ±0.1%FS
 压力接口/Pressure Port: 双法兰/double flange
 防爆等级/Explosion Proof: Ex d II CT4~T6 Gb, Ex ia II CT4 Ga



HPM86单晶硅压力变送器/HPM86 Monosilicon Pressure Transmitter

量程范围/Pressure Range

量程 Range	kPa	最大工作压力 MWP
S1	-1~1	2MPa
S2	-6~6	3MPa
M1	-40~40	3MPa
M2	-100~100	10MPa
M3	-100~200	10MPa
M4	-100~400	10MPa
L1	-100~4000	10MPa
L2	-100~40000	60MPa

输出信号/Output Signal: (4~20)mADC+HART
 供电电源/Supply Voltage: DC10.5~45V
 工作温度/Working Temperature: -40~125°C
 精度/Accuracy: ±0.075%FS
 压力接口/Pressure Port: M20*1.5 (M), NPT1/2 (F), etc.
 防爆等级/Explosion Proof: Ex d II CT4~T6 Gb, Ex ia II CT4 Ga



HPM87单晶硅法兰隔膜型压力变送器/HPM87 Monosilicon Flange Diaphragm Pressure Transmitter

量程范围/Pressure Range

量程 Range	kPa	过压 Overpressure
M1	-40~40	3MPa
M2	-100~100	8MPa
M3	-100~200	8MPa
M4	-100~400	8MPa
L1	-100~4000	10MPa

输出信号/Output Signal: (4~20)mADC+HART
 供电电源/Supply Voltage: DC10.5~45V
 工作温度/Working Temperature: -40~125°C
 精度/Accuracy: ±0.1%FS
 压力接口/Pressure Port: 法兰/flange
 安装方式/Mounting Type: 直装/vertical mount, 侧装/side mount
 防爆等级/Explosion Proof: Ex d II CT4~T6 Gb, Ex ia II CT4 Ga



HPM88陶瓷电容高精度压力变送器/HPM88 Ceramic Capacitive Pressure Transmitter

量程范围/Pressure Range

量程 Range	测量类型 Pressure type	kPa	过压能力 MWP
G1	表压	0~10	400
G2	表压	0~20	600
G3	表压	0~40	600
G4	表压	0~100	1000
G5	表压	0~200	1800
G6	表压	0~400	2500
G7	表压	0~1000	4000
G8	表压	0~2000	4000
G9	表压	0~4000	6000
G0	表压	0~7000	10500

输出信号/Output Signal: (4~20)mADC+HART
 供电电源/Supply Voltage: DC10.5~45V
 介质温度/Medium Temperature: -40~125°C
 精度/Accuracy: ±0.1%FS
 传感器类型/Sensor Type: 陶瓷电容/Ceramic Capacitive
 压力类型/Pressure Type: 表压/Gauge(可测负压)
 绝压/Absolute
 防爆等级/Explosion Proof: Ex d II CT4~T6 Gb, Ex ia II CT4 Ga

性能指标 Performance



HPM410W一体式液位变送器/HPM410W Integrated Submersible Level Transmitter

量程范围/Pressure Range: 0~1~1000mH₂O
 精度/Accuracy: ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 工作温度/Working Temperature: -10~70°C
 贮存温度/Storage Temperature: -30~100°C
 输出信号/Output Signal: 4~20mADC, 1~10VDC, RS485, etc.
 供电电源/Supply Voltage: 24VDC



HPM420W液位变送器/HPM420W Submersible Level Transmitter

量程范围/Pressure Range: 0~1~100mH₂O
 精度/Accuracy: ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 工作温度/Working Temperature: -10~70°C
 贮存温度/Storage Temperature: -30~100°C
 输出信号/Output Signal: 4~20mADC, RS485, etc.
 供电电源/Supply Voltage: 24VDC



HPM426W高温型液位变送器/HPM426W High-temperature Submersible Level Transmitter

量程范围/Pressure Range: 0~1m...100mH₂O
 精度/Accuracy: ±0.5%FS
 工作温度/Working Temperature: -50~150°C/200°C
 补偿温度/Compensation Temperature: -20~100°C
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4~20mADC
 材料/Material: 钛/Ti



HPM47W防腐型液位变送器/HPM47W Anti-corrosion Level Transmitter

量程范围/Pressure Range: 0~0.5~200mH₂O
 精度/Accuracy: ±0.2%FS(典型/typical); ±0.5%FS(最大/max)
 温度系数/Temperature Coefficient: ±0.02%FS/°C (参比/reference 25°C)
 工作温度/Working Temperature: -10~70°C
 输出信号/Output Signal: 4~20mADC, 0~5VDC, etc.
 供电电源/Supply Voltage: 24VDC
 材料/Material: PVC, PP or PVD(外壳/shell) 陶瓷AL₂O₃ (传感器/sensor)
 四氟/PTFE(电缆/cable) 氟素橡胶/FKM or 全氟橡胶/FFKM (O型圈/O ring)



HPM84防爆型液位变送器/HPM84 Anti-explosion Submersible Level Transmitter

量程范围/Pressure Range: 0~0.5m...1000mH₂O
 精度/Accuracy: ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 工作温度/Working Temperature: -10~70°C
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4~20mADC
 防爆等级/Explosion Proof: Ex d II CT4~T6 Gb, Ex ia II CT4 Ga

性能指标 Performance



HPM710齐平膜卫生型压力变送器/HPM710 Flush Diaphragm Hygienic Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 20kPa...10MPa
 精度/Accuracy: $\pm 0.5\%FS$
 温度系数/Temperature Coefficient: $\pm 0.5\%FS/10^{\circ}C$
 工作温度/Working Temperature: -20 ~ 85 $^{\circ}C$
 介质温度/Medium Temperature: -40 $^{\circ}C$ ~ 85 $^{\circ}C$; -40 $^{\circ}C$ ~ 150 $^{\circ}C$ 可选(optional)
 输出信号/Output Signal: 4 ~ 20mADC; 0 ~ 5V, 1 ~ 5V, 0 ~ 10VDC, etc.
 供电电源/Supply Voltage: 24VDC
 电气连接/Electrical Connection: 赫斯曼接头/DIN43650



HPM718齐平膜型压力变送器/HPM718 Flush Diaphragm Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 2kPa...2MPa (表压/gauge); 0 ~ 20kPa...2MPa (绝压/absolute)
 传感器类型/Sensor Type: 陶瓷电容/ Ceramic Capacitive
 过载/Overload: 50倍以上/minimum 50 $\times P_{RANGE}$
 精度/Accuracy: $\pm 0.2\%FS$ (典型/typical); $\pm 0.5\%FS$ (最大/max)
 温度系数/Temperature Coefficient: $\pm 0.01\%FS/^{\circ}C$ (参比/reference 25 $^{\circ}C$)
 输出信号/Output Signal: 4 ~ 20mADC, 0.5 ~ 4.5VDC, etc.
 压力接口/Pressure Port: G1(M)
 电气连接/Electrical Connection: M12x1 or cable



HPM720 卫生型压力变送器/HPM720 Hygienic Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...10MPa
 精度/Accuracy: $\pm 0.5\%FS$ (典型/typical); $\pm 0.2\%FS$ (可选/optional)
 温度系数/Temperature Coefficient: $\pm 0.5\%FS/10^{\circ}C$
 工作温度/Working Temperature: -20 ~ 85 $^{\circ}C$
 介质温度/Medium Temperature: -40 $^{\circ}C$ ~ 85 $^{\circ}C$; -40 $^{\circ}C$ ~ 150 $^{\circ}C$ 可选(optional)
 输出信号/Output Signal: 4 ~ 20mADC; 0 ~ 5V, 1 ~ 5V, 0 ~ 10VDC, etc.
 供电电源/Supply Voltage: 24VDC
 压力接口/Pressure Port: Tri-Clamp,SMS,DRO,INGO,etc.



HPM730无腔平膜型压力变送器/HPM730 Flush Diaphragm Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...150MPa
 精度/Accuracy: $\pm 0.5\%FS$
 温度系数/Temperature Coefficient: $\pm 0.5\%FS/10^{\circ}C$
 接液温度/Medium Temperature: -40 $^{\circ}C$ ~ 85 $^{\circ}C$; -40 $^{\circ}C$ ~ 120 $^{\circ}C$ 可选(optional)
 输出信号/Output Signal: 4 ~ 20mADC; 0 ~ 5V, 1 ~ 5V, 0 ~ 10VDC, etc.
 供电电源/Supply Voltage: 24VDC
 电气连接/Electrical Connection: 赫斯曼接头/DIN43650

性能指标 Performance



HPM760 卫生型压力变送器 /HPM760 Hygienic Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...10MPa
 精度/Accuracy: $\pm 0.25\%FS$ (典型/typical); $\pm 0.5\%FS$ (最大/max)
 温度系数/Temperature Coefficient: $\pm 0.03\%FS/^{\circ}C$ (参比/reference 25 $^{\circ}C$)
 介质温度/Medium Temperature: -40 $^{\circ}C$ ~ 85 $^{\circ}C$; -40 $^{\circ}C$ ~ 150 $^{\circ}C$ 可选(optional)
 输出信号/Output Signal: 4 ~ 20mADC或其他定制/or customization
 供电电源/Supply Voltage: 24VDC(12 ~ 30VDC)
 电气连接/Electrical Connection: M12x1 or cable
 压力接口/Pressure Port: Tri-Clamp,SMS,DRO,INGO,etc.



HPM766纯平膜卫生型压力变送器/HPM766 Flush Diaphragm Hygienic Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...1.6MPa
 精度/Accuracy: $\pm 0.2\%FS$
 工作温度/Working Temperature: -40 ~ 150 $^{\circ}C$ /200 $^{\circ}C$
 传感器类型/Sensor Type: 蓝宝石/ sapphire
 温漂/Temperature Drift: $\leq 3\%$
 供电电源/Supply Voltage: 24VDC(12 ~ 30VDC)
 输出信号/Output Signal: 4 ~ 20mADC, 1 ~ 10VDC, etc.
 电气连接/Electrical Connection: M12*1, 直接出线/cable



HPM788陶瓷卫生型压力变送器/HPM788 Ceramic Hygienic Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 300Pa...7MPa (表压/gauge); 0 ~ 10kPa...7MPa (绝压/absolute)
 精度等级/Accuracy: $\pm 0.2\%FS$ (典型/typical); $\pm 0.5\%FS$ (最大/max)
 温度系数/Temperature Coefficient: $\pm 0.01\%FS/^{\circ}C$ (参比/reference 25 $^{\circ}C$)
 介质温度/Medium Temperature: -40 ~ 125 $^{\circ}C$
 输出信号/Output Signal: 4 ~ 20mADC, 0.5 ~ 4.5VDC, etc.
 供电电源/Supply Voltage: 24VDC
 电气连接/Electrical Connection: 赫斯曼接头, 电缆直接出线等/DIN43650, cable , etc.



HPM758陶瓷平膜型压力变送器/HPM758 Ceramic Diaphragm Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 50kPa...80MPa
 传感器类型/Sensor Type: 陶瓷压阻/ Ceramic Piezoresistive
 精度/Accuracy: $\pm 0.5\%FS$
 工作温度/Working Temperature: -40 ~ 135 $^{\circ}C$
 压力接口: G3/4(M)
 输出信号/Output Signal: 4 ~ 20mADC, 0.5 ~ 4.5VDC, etc.
 电气连接/Electrical Connection: M12x1, 直接出线/cable

性能指标 Performance



HPM126高稳型压力变送器/HPM126 High Stability Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 5kPa...100MPa
 精度/Accuracy: $\pm 0.5\%FS$ (典型/typical); $\pm 0.2\%FS$ (可选/optional)
 传感器类型/Sensor Type: 硅压阻式/ Silicon Piezoresistive
 工作温度/Working Temperature: $-40 \sim 120^{\circ}C$
 供电电源/Supply Voltage: 24VDC(10 ~ 30VDC)
 输出信号/Output Signal: 4 ~ 20mADC
 电气连接/Electrical Connection: 电缆出线/cable entry
 压力接口/Pressure Port: G1/2, M20x1.5



HPM180通用型压力变送器/HPM180 General Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 传感器类型/Sensor Type: 硅压阻式/ Silicon Piezoresistive
 精度/Accuracy: $\pm 0.5\%FS$ (典型/typical); $\pm 0.2\%FS$ (可选/optional)
 工作温度/Working Temperature: $-40 \sim 120^{\circ}C$
 供电电源/Supply Voltage: 5VDC; 24VDC
 输出信号/Output Signal: 4 ~ 20mADC; 0 ~ 10/20mADC; 0/1 ~ 5VDC
 电气连接/Electrical Connection: 赫斯曼,直接出线,M12x1等/DIN43650, cable, M12x1, etc.



HPM130精巧型压力变送器/HPM130 Compact Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...40MPa
 精度/Accuracy: $\pm 0.5\%FS$ (典型/typical); $\pm 0.2\%FS$ (可选/optional)
 传感器类型/Sensor Type: 硅压阻式/ Silicon Piezoresistive
 工作温度/Working Temperature: $-40 \sim 120^{\circ}C$
 供电电源/Supply Voltage: 3.3VDC, 5VDC, 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0.5 ~ 2.5VDC, 1 ~ 10VDC, etc.
 电气连接/Electrical Connection: 赫斯曼接头或专用屏蔽电缆/ DIN43650 or cable
 压力接口/Pressure Port: G1/2, NPT1/4, M20x1.5, etc.



HPM131型压力变送器/HPM131 Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 200Pa...100kPa
 测量介质/medium: 洁净空气/clean air, 无腐蚀性气体/noncorrosive gas
 精度/Accuracy: $\pm 1.0\%FS$ (典型/typical); $\pm 0.5\%FS$ (可选/optional)
 传感器类型/Sensor Type: 硅压阻式/ Silicon Piezoresistive
 工作温度/Working Temperature: $-40 \sim 120^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0 ~ 10VDC, etc.
 电气连接/Electrical Connection: 直接出线/cable



HPM133小巧型压力变送器/HPM133 Smart Size Pressure Transmitter For Compressor

量程范围/Pressure Range: 0 ~ 50kPa...60MPa
 精度/Accuracy: $\pm 1.0\%FS$
 传感器类型/Sensor Type: 陶瓷压阻/ Ceramic Piezoresistive
 工作温度/Working Temperature: $-40 \sim 120^{\circ}C$
 供电电源/Supply Voltage: 5VDC, 24VDC, etc.
 输出信号/Output Signal: 4 ~ 20mADC, 0.5 ~ 4.5VDC, etc.
 电气连接/Electrical Connection: 派克接插件, 赫斯曼或航空插头等/Packard, DIN43650, aviation connector
 压力接口/Pressure Port: G1/2, NPT1/4, M20x1.5, etc.

性能指标 Performance



HPM186型压力变送器/HPM186 Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 5kPa...60MPa
 精度/Accuracy: $\pm 0.5\%FS$ (典型/typical); $\pm 0.2\%FS$ (可选/optional)
 传感器类型/Sensor Type: 硅压阻式/ Silicon Piezoresistive
 工作温度/Working Temperature: $-40 \sim 120^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0 ~ 10VDC, etc.
 电气连接/Electrical Connection: 直接出线/cable



HPM181高精度型压力变送器/HPM181 High Accuracy Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 5kPa...100MPa
 精度/Accuracy: $\pm 0.1\%FS$ (典型/typical); $\pm 0.05\%FS$ (可选/optional)
 响应时间/Response Time: $\leq 10ms$ (典型/typical); $\leq 1ms$ (可选/optional)
 介质温度/Medium Temperature: $-30 \sim 120^{\circ}C$
 补偿温度/Compensation Temperature: $-10 \sim 80^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0 ~ 10VDC, etc.
 电气连接/Electrical Connection: 赫斯曼,直接出线,M12x1等/DIN43650, cable, M12x1, etc.



HPM188防爆型压力变送器/HPM188 Anti-explosion Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...60MPa
 精度/Accuracy: $\pm 0.5\%FS$ (典型/typical); $\pm 0.2\%FS$ (可选/optional)
 防爆等级/Explosion Proof: Ex d II CT4~T6 Gb
 工作温度/Working Temperature: $-20 \sim 80^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0 ~ 10VDC, etc.
 电气连接/Electrical Connection: 直接出线/cable
 压力接口/Pressure Port: M20x1.5, G1/4, G1/2, etc.



HPM1801防水型压力变送器/HPM1801 Waterproof Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 5kPa...60MPa
 精度/Accuracy: $\pm 0.5\%FS$ (典型/typical); $\pm 0.2\%FS$ (可选/optional)
 传感器类型/Sensor Type: 硅压阻式/ Silicon Piezoresistive
 防护等级/ Protection Degree: IP68
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0 ~ 10VDC, etc.
 电气连接/Electrical Connection: 直接出线/cable
 压力接口/Pressure Port: G1/2, M20x1.5, etc.



HPM189高温型压力变送器/HPM189 High-temperature Resistance Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 5kPa...100MPa
 精度/Accuracy: $\pm 0.5\%FS$
 介质温度/Medium Temperature: $-40 \sim 180^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0 ~ 10VDC, etc.
 电气连接/Electrical Connection: 赫斯曼接头,直接出线等/DIN43650, cable, etc.
 压力接口/Pressure Port: M20x1.5, G1/2, etc.

性能指标 Performance



HPM185智能型压力变送器/HPM185 Intelligent Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 5kPa...100MPa
 精度/Accuracy: $\pm 0.5\%FS$
 工作温度/Working Temperature: $-40 \sim 120^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: RS 485 or 4 ~ 20mADC+HART
 电气连接/Electrical Connection: 赫斯曼接头, 直接出线等/DIN43650, cable, etc.
 压力接口/Pressure Port: M20x1.5, G1/2, etc.



HPM1500溅射薄膜型压力变送器/HPM1500 Sputtering Film Pressure Transmitter

量程范围/Pressure Range: 0 ~ 1...200MPa
 精度/Accuracy: $\pm 0.25\%FS$ (典型/typical); $\pm 0.5\%FS$ (最大/max)
 传感器类型/Sensor Type: 溅射薄膜/Sputtering Film
 介质温度/Medium Temperature: $-40 \sim 200^{\circ}C$
 供电电源/Supply Voltage: 24VDC(10 ~ 30VDC)
 输出信号/Output Signal: 4 ~ 20mADC; 0 ~ 5VDC, 1 ~ 5VDC, 0.5 ~ 4.5VDC, 0 ~ 10VDC, etc.
 电气连接/Electrical Connection: M12x1, 直接出线/cable
 压力接口/Pressure Port: G1/2, NPT1/4, etc.



HPM1610油田泥浆专用压力变送器/HPM1610 Slurry Pressure Transmitter

量程范围/Pressure Range: 0 ~ 20MPa...80MPa
 精度/Accuracy: $\pm 0.5\%FS$
 介质温度/Medium Temperature: $-60 \sim 150^{\circ}C$
 传感器类型/Sensor Type: 蓝宝石/sapphire
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0 ~ 10VDC, etc.
 电气连接/Electrical Connection: 赫斯曼接头, 直接出线等/DIN43650, cable, etc.
 压力接口/Pressure Port: M20x1.5, 无引压孔/No Pressure Hole



HPM1858陶瓷电容型压力变送器/HPM1858 Ceramic Capacitor Pressure Transmitter

量程范围/Pressure Range: -100kPa ~ 0 ~ 2kPa...2MPa(表压/gauge); 0 ~ 20kPa...2MPa(绝压/absolute)
 过载/Overload: 50倍以上/minimum $50 \times P_{RANGE}$
 精度/Accuracy: $\pm 0.2\%FS$ (典型/typical); $\pm 0.5\%FS$ (最大/max)
 传感器类型/Sensor Type: 陶瓷电容/Ceramic Capacitive
 介质温度/Medium Temperature: $-40 \sim 125^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0.5 ~ 4.5VDC, etc.
 电气连接/Electrical Connection: 赫斯曼接头, 电缆直接输出等/DIN43650 or cable



HPM1900高压型压力变送器/HPM1900 High Pressure Type Pressure Transmitter

量程范围/Pressure Range: 0 ~ 40...600MPa
 传感器类型/Sensor Type: 金属应变/ metal-foil strain gauge
 精度/Accuracy: $\pm 0.5\%FS$
 长期稳定性/Long-term Stability: $\pm 0.2\%FS/year$
 工作温度/Working Temperature: $-10 \sim 85^{\circ}C$
 供电电源/Supply Voltage: 24VDC(10 ~ 30VDC)
 输出信号/Output Signal: 4 ~ 20mADC
 电气连接/Electrical Connection: 赫斯曼接头, 航插或直接引线可选/DIN43650, aviation connector, or cable outlet

性能指标 Performance



HPM128防爆型压力变送器/HPM128 Anti-explosion Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 精度/Accuracy: $\pm 0.5\%FS$ (典型/typical); $\pm 0.2\%FS$ (可选/optional)
 工作温度/Working Temperature: $-20 \sim 80^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC, 0 ~ 10VDC, etc.
 电气连接/Electrical Connection: 电缆出线/cable entry
 压力接口/Pressure Port: G1/2, M20x1.5
 防爆等级/Explosion Proof: Ex d II CT4~T6 Gb



HPM135制冷行业专用压力变送器/HPM135 Refrigeration Industry Pressure Transmitter

量程范围/Pressure Range: 0 ~ 50bar
 精度/Accuracy: $\pm 0.5\%FS$
 介质温度/Medium Temperature: $-35 \sim 105^{\circ}C$
 供电电源/Supply Voltage: 12 ~ 30VDC
 输出信号/Output Signal: 4 ~ 20mA
 电气连接/Electrical Connection: 派克接插件/packard
 压力接口/Pressure Port: 7/16-20UNF (M), 7/16-20UNF (F), etc.
 密封圈材质/O Ring Material: 氟丁橡胶/CR



HPM187防腐型压力变送器/HPM187 Anti-corrosion Pressure Transmitter

量程范围/Pressure Range: 0 ~ 1bar...6bar
 精度/Accuracy: $\pm 1\%FS$
 传感器类型/Sensor Type: 陶瓷压阻/Ceramic Piezoresistive
 介质温度/Medium Temperature: $0 \sim 85^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mA
 电气连接/Electrical Connection: 赫斯曼/DIN43650
 材料/Material: PVC, PP(外壳/shell) 陶瓷Al₂O₃(传感器/sensor) 氟素橡胶/FKM(O型圈/O ring)
 压力接口/Pressure Port: G1(F)



HPM129A-121高温熔体压力变送器/HPM129A-121 High-temperature Melt Pressure Transmitter

量程范围/Pressure Range: 0 ~ 3.5MPa...150MPa
 精度/Accuracy: $\pm 1.0\%FS$ (典型/typical); $\pm 1.5\%FS$ (最大/max);
 最高耐温/Max Working Temperature: $400^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mA, 0 ~ 10V, etc.
 电气连接/Electrical Connection: 航空插件/Aviation Connector
 压力接口/Pressure Port: 1/2"-20UNF, M14x1.5, M18x1.5, etc.
 材料/Material: 15-5PH



HPM129A-123高温熔体压力变送器/HPM129A-123 High-temperature Melt Pressure Transmitter

量程范围/Pressure Range: 0 ~ 3.5MPa...150MPa
 精度/Accuracy: $\pm 0.5\%FS$ (典型/typical); $\pm 0.25\%FS$ (可选/optional);
 最高耐温/Max Working Temperature: $400^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mA, 0 ~ 10V, etc.
 电气连接/Electrical Connection: 航空插件/Aviation Connector
 压力接口/Pressure Port: 1/2"-20UNF, M14x1.5, M18x1.5, etc.
 材料/Material: 17-4PH

性能指标 Performance



HPM231型压力变送器/HPM231 Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 200Pa...100kPa
 过载压力/Pressure Overload: 基本量程的3倍/three times the basic range
 工作电压/Working Voltage: 24VDC
 工作温度/Working Temperature: -40 ~ 125°C
 精度等级/Accuracy: ±1.0%FS (< 1kPa); ±0.5%FS (≥1kPa); ±0.2%FS (可选/optional)
 输出信号/Output Signal: 4 ~ 20mADC
 稳定性/Stability: ±0.5%FS
 压力接口/Pressure Port: 气管连接/ air tube



HPM260型压力变送器/HPM260 Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 1kPa...100MPa
 精度/Accuracy: ±0.5%FS (典型/typical); ±0.2%FS (可选/optional)
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 工作温度/Working Temperature: -30 ~ 85°C
 供电电源/Supply Voltage: 24VDC (12 ~ 30VDC)
 输出信号/Output Signal: 4 ~ 20mADC 或其他定制/customization
 电气连接/Electrical Connection: M12x1 or cable
 壳体材质/Housing Material: 不锈钢/Stainless Steel



HPM27防腐型压力变送器/HPM27 Anti-corrosion Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...5MPa
 精度/Accuracy: ±0.5%FS (典型/typical); ±0.2%FS (可选/optional)
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 工作温度/Working Temperature: -30 ~ 85°C
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC
 电气连接/Electrical Connection: M20x1.5 cable entry, NPT1/2 cable entry



HPM20F法兰隔膜型压力变送器/HPM20F Flange Diaphragm Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 20kPa...10MPa
 精度/Accuracy: ±0.5%FS
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 工作温度/Working Temperature: -30 ~ 85°C
 供电电源/Supply Voltage: 24VDC (12 ~ 30VDC)
 输出信号/Output Signal: 4 ~ 20mADC 或其他定制/customization
 电气连接/Electrical Connection: M20x1.5 cable entry, NPT1/2 cable entry

性能指标 Performance



HPM280防护型压力变送器/HPM280 Protective Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 精度/Accuracy: ±0.5%FS (典型/typical); ±0.2%FS (可选/optional)
 工作温度/Working Temperature: -30 ~ 85°C
 供电电源/Supply Voltage: 24VDC (12 ~ 30VDC)
 输出信号/Output Signal: 4 ~ 20mADC 或其他定制/customization
 电气连接/Electrical Connection: M20x1.5 cable entry, NPT1/2 cable entry



HPM285智能型压力变送器/HPM285 Intelligent Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 精度/Accuracy: ±0.5%FS (典型/typical); ±0.2%FS (可选/optional)
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 工作温度/Working Temperature: -20 ~ 80°C
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mADC; RS485/HART (可选/optional)
 电气连接/Electrical Connection: M20x1.5 cable entry, NPT1/2 cable entry
 压力接口/Pressure Port: M20x1.5, G1/2, etc.



HPM288隔爆型压力变送器/HPM288 Anti-explosion Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 精度/Accuracy: ±0.5%FS (典型/typical); ±0.2%FS (可选/optional)
 工作温度/Working Temperature: -20 ~ 80°C
 输出信号/Output Signal: 4 ~ 20mADC 或其他定制/customization
 供电电源/Supply Voltage: 24VDC
 电气连接/Electrical Connection: M20x1.5 cable entry, NPT1/2 cable entry
 防爆等级/Explosion Proof: Ex d II CT4~T6 Gb



HPM289高温型压力变送器/HPM289 High-temperature Resistance Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 精度/Accuracy: ±0.5%FS
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 介质温度/Medium Temperature: -40 ~ 180°C
 输出信号/Output Signal: 4 ~ 20mADC
 供电电源/Supply Voltage: 24VDC (12 ~ 30VDC)
 电气连接/Electrical Connection: M20x1.5 cable entry, NPT1/2 cable entry

性能指标 Performance



HPM520型智能压力开关/HPM520 Intelligent Pressure Switch

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 精度等级/Accuracy : ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 开关动作点/ Pressure Action Point: 可设置/Settable
 显示方式/Display Mode: 0.56"数码管/0.56"LED
 电源电压/Supply Voltage : 24VDC/220VAC
 表盘大小/ Dial Size: Φ100
 响应时间/Response Time: ≤30ms
 输出信号/Output Signal: 4~20mA+两路继电器/two way relay



HPM560型智能压力开关/HPM560 Intelligent Pressure Switch

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 控制精度/Accuracy : ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 电源电压/Supply Voltage : 24VDC
 显示方式/Display Mode: 4位数码管/4 digital LED
 显示范围/Display Range: -1999~9999
 开关动作点/ Pressure Action Point: 可设置/Settable
 响应时间/Response Time: <4ms
 输出信号/Output Signal: 4~20mA + 2×NPN/PNP



HPM5010智能压力控制器/HPM5010 Intelligent Pressure Controller

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 精度/Accuracy: ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 介质温度/Medium Temperature: -30~80°C
 贮存温度/Storage Temperature: -40~80°C
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 2×PNP + 0~5V/10VDC + MODBUS或者2×PNP + 4~20mA + MODBUS
 开关电流/Switching Current: 1.0A(Max.)
 开关反应/Response Time: ≤10ms



HPM580防爆压力控制器/HPM580 Anti-explosion Pressure Controller

量程范围/Pressure Range: -100kPa...0 ~ 10kPa...100MPa
 精度等级/Accuracy : ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 显示范围/Display Range : -1999~9999
 显示方式/Display Mode: 0.56"数码管/0.56"LED
 电源电压/Supply Voltage : 24VDC/220VAC
 环境温度/Environment Temperature : -20~70°C
 输出信号/Output Signal: 4~20mA+四路继电器/four way relay
 防爆等级/Explosion Proof: Ex d II BT4 Gb

性能指标 Performance



HPM310D风压型差压变送器/HPM310D Air Differential Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 100Pa...100kPa
 过载压力/Pressure Overload: 基本量程的3倍/three times the basic range
 精度等级/Accuracy : ±1.0%FS(<1kPa); ±0.5%FS(≥1kPa); ±0.2%FS(可选/optional)
 工作电压/Supply Voltage: 24VDC
 工作温度/Woking Temperature: -40~125°C
 输出信号/Output Signal : 4~20mADC (两线制/ two-wire); 0-5V, 0-10V, 1-5VDC (三线制/ three-wire)



HPM311风压型差压变送器/HPM311 Air Differential Pressure Transmitter

量程范围/Pressure Range: -100kPa...0 ~ 100Pa...100kPa
 过载压力/Pressure Overload: 基本量程的3倍/three times the basic range
 精度等级/Accuracy : ±1.0%FS(<1kPa); ±0.5%FS(≥1kPa); ±0.2%FS(可选/optional)
 工作电压/Supply Voltage: 24VDC
 工作温度/Woking Temperature: -40~125°C
 输出信号/Output Signal : 4~20mADC (两线制/ two-wire)
 显示/Display : LCD or LED



HPM320型差压变送器/HPM320 Differential Pressure Transmitter

量程范围/Pressure Range: 0 ~ 10kPa...3.5MPa
 精度/Accuracy: ±0.5%FS
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 工作温度/Working Temperature: -30~85°C
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4~20mADC
 电气连接/Electrical Connection: 直接出线/cable



HPM3189高温型差压变送器/HPM3189 High-temperature Resistance Differential Pressure Transmitter

量程范围/Pressure Range: 0 ~ 10kPa...3.5MPa
 精度/Accuracy: ±0.5%FS
 温度系数/Temperature Coefficient: ±0.03%FS/°C (参比/reference 25°C)
 工作温度/Working Temperature: -30~85°C
 介质温度/Medium Temperature: -30~130°C
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4~20mADC (二线制/two-wire)
 电气连接/Electrical Connection: 赫斯曼接头, 直接出线或航插等可选/DIN43650 ,cable or aviation connector

性能指标 Performance



HTM108精巧型温度变送器/HTM108 Temperature Transmitter

测温范围/Temperature Range: -40~1500°C
 精度/Accuracy: ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 长期稳定性/Long-term Stability: ±0.2%FS/年/year
 测温元件/Measuring Element: 热电阻/PT100 或者 热电偶/Thermocouple
 输出信号/Output Signal: 4~20mADC; 0.5~4.5VDC, 1~5VDC, etc.
 供电电源/Supply Voltage: 24VDC
 电气连接/Electrical Connection: 赫斯曼接头或直接出线等/DIN43650, cable, etc.



HTM128防爆型温度变送器/HTM128 Anti-explosion Temperature Transmitter

测温范围/Temperature Range: -40~1500°C
 精度/Accuracy: ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 测温元件/Measuring Element: 热电阻/PT100 或者 热电偶/Thermocouple
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4~20mA
 过程连接/Process Connection: M20×1.5, G1/2, etc.



HTM208防爆型温度变送器/HTM208 Anti-explosion Temperature Transmitter

测温范围/Temperature Range: -40~1500°C
 精度/Accuracy: ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 长期稳定性/Long-term Stability: ±0.2%FS/年/year
 测温元件/Measuring Element: 热电阻/PT100 或者 热电偶/Thermocouple
 输出信号/Output Signal: 4~20mADC; RS485/HART(optional)
 供电电源/Supply Voltage: 24VDC
 防爆等级/Explosion Proof: Ex d II CT6 Gb
 电气连接/Electrical Connection: M20x1.5 cable entry



HTM228防护型温度变送器/HTM228 Protective Temperature Transmitter

测温范围/Temperature Range: -40~1500°C
 精度/Accuracy: ±0.5%FS
 测温元件/Measuring Element: 热电阻/PT100 或者 热电偶/Thermocouple
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4~20mA
 接线盒/Junction Box: 防水式/waterproof
 安装形式/Installing Type: 固定螺纹/Fixed Thread, 固定法兰/Fixed Flange



HTM708卫生型温度变送器/HTM708 Hygienic Temperature Transmitter

测温范围/Temperature Range: -40~300°C
 精度/Accuracy: ±0.5%FS(典型/typical); ±0.2%FS(可选/optional)
 测温元件/Measuring Element: 热电阻/PT100
 输出信号/Output Signal: 4~20mADC; RS485/HART(optional)
 供电电源/Supply Voltage: 24VDC
 电气连接/Electrical Connection: M12x1 or cable
 过程连接/Process Connection: 卡盘/tri-clamp

性能指标 Performance



HFM100型电磁流量计/ HFM100 Electromagnetic Flowmeter

口径/DN: DN10-DN2400
 衬里材料/Lining Material: 氯丁橡胶(CR), 聚四氟乙烯(PTFE), 聚氨酯橡胶(PU), 聚乙烯(PE), PFA等
 介质温度/Medium Temperature: 传感器(sensor): -25~180°C; 转换器(transverter): -10~80°C
 精度等级/Accuracy: 0.5级/level
 供电方式/Supply Voltage: 24VDC, 220VAC
 输出/Output Signal: 4~20mA, 脉冲(pulse)、频率(frequency)、RS485、HART、Profibus-PA



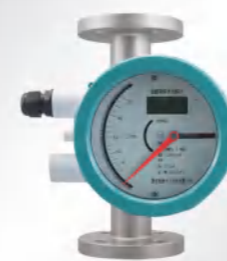
HFM200型涡街流量计/ HFM200 Vortex Flowmeter

口径/DN: DN15-DN300
 本体材质/Material: 1Cr18Ni9T;定制(customized)
 精确度/Accuracy: ±1%, ±1.5%; 插入式 (plug-in) : ±2.5%
 介质温度/Medium Temperature: 压电式(piezoelectric): -40~150°C, -40~260°C, 40~330°C
 电容式(capacitance): -40~400°C, -40~500°C
 供电电压/Supply Voltage: 传感器(sensor) : DC +12V, DC +24V; 变送器(transmitter): DC +12V, DC +24V
 电池供电型 (Battery supply type) : 3.6V
 输出信号/Output Signal: 4~20mA, 脉冲(pulse)、RS485



HFM500热式流量开关/ HFM500 Thermal Flow Switch

测量介质/Medium: 水, 油, 气/water, oil, gas
 测量范围/Measuring Range: 1~150cm/s (water), 3~300cm/s(oil), 20~2000cm/s(gas)
 输出信号/Output Signal: Relay, PNP, NPN
 触点容量/Switch Current: ≤1A(relay), ≤400mA(PNP/NPN)
 介质温度/Medium Temperature: -20~80°C
 供电电源/Supply Voltage: 24VDC
 电气连接/Electrical Connection: M12*1, cable



HFM400金属管浮子流量计/HFM400 Metal Tube Float Flow Meter

过程连接/Process Connection: 法兰/flange DN15~DN150 或者/or 卡盘/tri-clamp
 流量范围/Flow Range: 液体/Liquid 1~150000L/h; 气体/gas 0.05~3000m³/h
 精度/Accuracy: 1.5级/level(典型/typical); 1.0级/level(可选/optional)
 供电电源/Supply Voltage: 24VDC, 220VAC, 锂电池供电/Battery Supply
 输出信号/Output Signal: 4~20mA, 继电器/relay, etc.
 材料/Material: 304, 316L 或者/or 钛合金/Ti
 显示方式/Display: 机械式指针/Mechanical Pointer 或者/or LCD



FS型流量开关/FS Flow Switch

测量介质/Measuring Medium: 水、气、油/water, gas, oil
 输出信号/Output Signal: 磁敏开关/magnetic sensitive switch
 触点容量/Contact Capacity: 24VDC/220VAC, 400mA
 最高耐压/Maximum Working Pressure: 400bar
 防护等级/Level Of Protection : IP65
 介质温度/Medium Temperature: -20~110°C
 接线方式/Electrical Connection: PG9赫斯曼接头/PG9 DIN43650

性能指标 Performance



HWU31一体式超声波物位计/ HWU31 Integrated Ultrasonic Level Meter

量程范围/Range: 0 ~ 0.25m...30m(液体/liquid)
 精度/Accuracy: $\pm 0.2\%FS$
 工作温度/Working Temperature: $-40 \sim 70^{\circ}C$
 供电电源/Supply Voltage: 24VDC
 输出信号/Output Signal: 4 ~ 20mA DC, HART
 过程连接/Process Connection: G2A, flange, etc.



HWU32分体式超声波物位计/ HWU32 Split Ultrasonic Level Meter

量程范围/Range: 0 ~ 0.25m...40m(液体/liquid)
 精度/Accuracy: $\pm 0.2\%FS$
 工作温度/Working Temperature: $-40 \sim 70^{\circ}C$
 供电电源/Supply Voltage: 24VDC, 220VAC
 输出信号/Output Signal: 4 ~ 20mA DC, HART, RS485
 过程连接/Process Connection: G2A, flange, etc.



HYM610音叉开关/ HYM610 Tuning Fork Level Switch

供电电源/Supply Voltage: 24VDC, 220VAC
 输出信号/Output Signal: 继电器/relay
 介质温度/Medium Temperature: $-40 \sim 150^{\circ}C$
 过程连接/Process Connection: 1"NPT, flange, etc.
 工作压力/Endurance Pressure: 2MPa



HYM-UZ磁翻板液位计/ HYM-UZ Magnetic Flap Level Gauge

测量范围/Measuring Range: 200mm ~ 10000mm
 指示精度/Indication Accuracy: $\pm 10mm$
 最高耐压/Endurance Pressure: 10MPa
 介质温度/Medium Temperature: $-150 \sim 400^{\circ}C$
 过程连接/Process Connection: 法兰/flange, 卡盘/tri-clamp, 螺纹/thread
 输出信号/Output Signal: 4 ~ 20mA, 开关信号/switch, etc.



HYM12微波物料开关/ HYM12 Clever Level Transmitter

供电电源/Supply Voltage: 24VDC
 介质温度/Medium Temperature: $-10 \sim 110^{\circ}C$
 开关类型/Switch Type: PNP/NPN
 材料/Material: 316L(外壳/shell), PEEK(传感器罩/sensor cover)
 电气连接/Electrical Connection: M12×1接插/plug, M16×1.5格兰头/gland
 过程连接/Process Connection: G1/2, M12×1.5, etc.
 最高耐压/Endurance Pressure: 40bar

性能指标 Performance



HA1N 单轴加速度传感器/ HA1N Single Axis Acceleration Sensor

测量范围(峰值)/Measuring Range (peak value): $\pm 50g$
 灵敏度(25°C)/Sensitivity: 100mv/g (160HZ)
 频率响应($\pm 10\%$)/Frequency response($\pm 10\%$): 1 ~ 9,000Hz
 激励电压/Driving voltage: 18VDC ~ 28VDC(恒流源constant-current source)
 工作温度/Operating Temperature: $-40 \sim +120^{\circ}C$
 壳体材料/Body Material: SUS 304
 输出方式/Output Mode: 5/8-24 (二芯插座 Two core socket)



HA3N三轴加速度传感器/ HA3N Triaxial Acceleration Sensor

测量范围(峰值)/Measuring Range (peak value): $\pm 50g$
 灵敏度(25°C)/Sensitivity: 100mv/g (160HZ)
 频率响应($\pm 10\%$)/Frequency response($\pm 10\%$): 1 ~ 4,000Hz ($\pm 10\%$)
 激励电压/Driving voltage: 18VDC ~ 28VDC(恒流源constant-current source)
 工作温度/Operating Temperature: $-40 \sim +120^{\circ}C$
 壳体材料/Body Material: 钛合金 Titanium Alloy
 输出方式/Output Mode: M12*1 (四芯插座 Four core socket)



HA3M 微型三轴加速度传感器/ HA3M Miniature Triaxial Acceleration Sensor

测量范围(峰值)/Measuring Range (peak value): $\pm 500g$
 轴向灵敏度(25°C) $\pm 5\%$ /Sensitivity(25°C) ($\pm 5\%$): 10 mV/g (160Hz)
 频率响应($\pm 10\%$)/Frequency response($\pm 10\%$): 1-5,000Hz
 激励电压/Driving voltage: 18VDC ~ 28VDC(恒流源constant-current source)
 工作温度/Operating Temperature: $-40 \sim +120^{\circ}C$
 壳体材料/Body Material: SUS 304
 输出方式/Output Mode: 1/4-28 (四芯 Four core)
 重量/Weight: 8.5g



HS3C 三轴振动速度传感器/ HS3C Triaxial Velocity Sensor

测量范围(峰值)/Measuring Range (peak value): 0 ~ 20mm/sec
 电流输出/Output: 4 ~ 20mA
 频率响应/Frequency response: 5 ~ 1,000Hz ($\pm 1dB$)
 供电电压/Power Supply: 15VDC ~ 30VDC (常用Common 24VDC)
 工作温度/Operating Temperature: $-40^{\circ}C \sim +85^{\circ}C$
 壳体材料/Body Material: SUS 304
 输出方式/Output Mode: 5/8-24 (四芯插座 Four core socket)



HS1V 单轴振动速度传感器/ HS1V Single Axis Velocity Sensor

测量范围(峰值)/Measuring Range (peak value): ± 1270 mm/s
 灵敏度(25°C) ($\pm 5\%$)/Sensitivity(25°C) ($\pm 5\%$): 4.0mv/ mm/sec
 频率响应/Frequency response: 5 ~ 1,000Hz ($\pm 1dB$); 4 ~ 4,000Hz ($\pm 3dB$)
 激励电压/Driving voltage: 18VDC ~ 28VDC(恒流源constant-current source)
 工作温度/Operating Temperature: $-40^{\circ}C \sim +85^{\circ}C$
 壳体材料/Body Material: SUS 304
 输出方式/Output Mode: 5/8-24二芯插座 Two core socket