HUAXINLIAN

Professional Pressure Sensor Manufacturer

HXL-H400A

Variable Frequency Water Pump Pressure Transmitter

Technical Specification

1. Ceramic Monolithic Pressure Sensor and Module
2. Ceramic Flush Diaphragm Pressure Sensor and Module
3. Ceramic Capacitive Pressure Sensor and Module
4. MEMS Sensor 5. Pressure Transmitter 6. Level Sensor

HXL-H400A

Variable Frequency Water Pump Pressure Transmitter

Features

- Wide Temperature Range, -20℃ to 105℃
- Compact Structure with Excellent Cost-Effectiveness
- Algorithm Compensation and Correction Technology
- Burst Pressure > 5 Times
- High Impact Resistance



Applications

- Water Pump

Description

HXL-H400A Variable Frequency Water Pump Transmitter is an industrial pressure product independently and fully developed by Huaxinlian. Its sensor adopts a self-developed ceramic flush diaphragm core. The product features high temperature resistance, corrosion resistance, high stability and high reliability.

With a compact size and easy installation, it is suitable for equipment such as water pump units, water supply pipe networks, fire protection systems, and circulating water pumps. It is widely used in water conservancy and water affairs, municipal water supply, HVAC and other fields.

Every process of our products, from R&D and design, production and assembly, calibration and verification to quality inspection, is strictly implemented in accordance with international product quality production system standards.

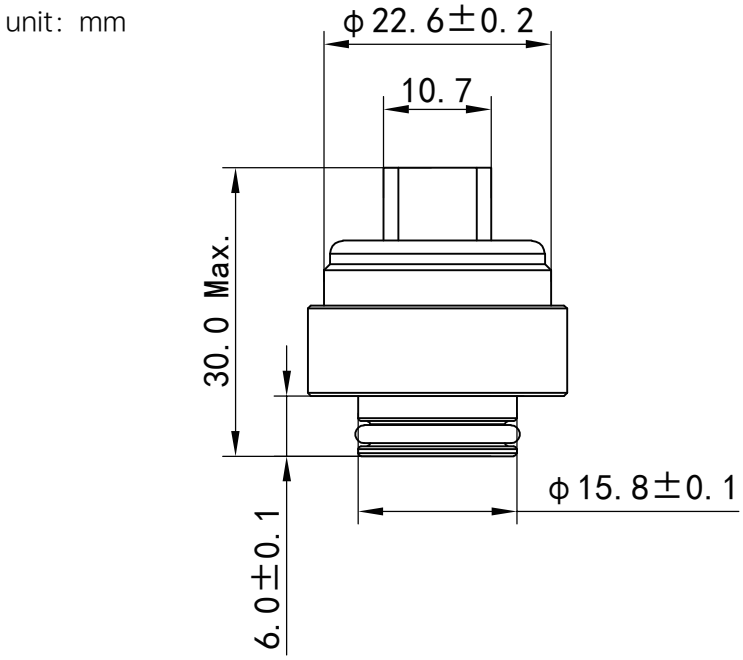
Measuring range	
Unit	Measuring Range
bar	0 to 10...0 to 50
mbar	0 to 10000 ...0 to 50000
MPa	0 to 1.0...0 to 5.0
kPa	0 to 1000...0 to 5000
Pa	0 to 1,000,000...0 to 5,000,000
psi	0 to 145.04...0 to 725.19
mmHg	0 to 7500.62...0 to 37503.08
inHg	0 to 295.30...0 to 1476.49

Materials		
Wetted Parts	Standard	Optional
Housing	H62	SUS304 / Customizable
Sensor	Ceramic	NA
O-ring	FKM	EPDM / CR / PTFE
Electrical Connector	PA66+GF30	NA

Specifications

Model	HXL-H400A	
Pressure Type	Gauge Pressure	
Range	10-50 bar (Customizable)	
Accuracy	※±0.5%Vcc@25℃	
Electrical Performance	3-wire	
Output Signal	0.5~4.5V DC	
Supply Voltage	5.0±0.25V DC	
Operating Temperature	-20℃~105℃	
Storage Temperature	-20℃~105℃	
Electrical Connection	JST XHP-3P	
Mounting Interface	Flush Mount	
Matching Terminals	XH2.54-3Y	
Materials	Housing	H62 (Standard), SUS304 Customizable
	Sensor	Ceramic (Standard)
	O-ring	FKM (Standard)
Protection Rating	IP65	
Response Time	≤10ms	
Overload Pressure	2XFS	
Burst Pressure	5XFS	
Temperature Drift	0.03%FS/℃@-20~105℃	
Cycle Life	> 2 million pressure cycles @2-5Hz,0~full scale pressure~0,15~35℃	
Long-term Stability	Zero @25°C: <0.20% FSO (no time accumulation)	
ESD	Air:15KV Contact:8KV	
Insulation Resistance	250V AC @ 60s, Leakage Current < 1mA (between PIN and Housing)	
Function	For Domestic Water Pumps & Pressure Switches	

Dimensions and Wiring Definitions



Wiring Definition

