

QYK300

OLED Pressure Switch

Overview

The main functions of QYK300 intelligent pressure switch include 4-20mA transmission output, two PNP switching outputs, and on-site display function. Using SMT technology and integrated design concept, it can provide constant voltage excitation and constant current excitation for the sensor. Its built-in microprocessor realizes adjustable settings of zero point, full scale, decimal point, control point and current setting through three-button programming, without any potentiometer adjustment. The whole machine is suitable for industrial-grade temperature environments and has strong anti-interference.

Features

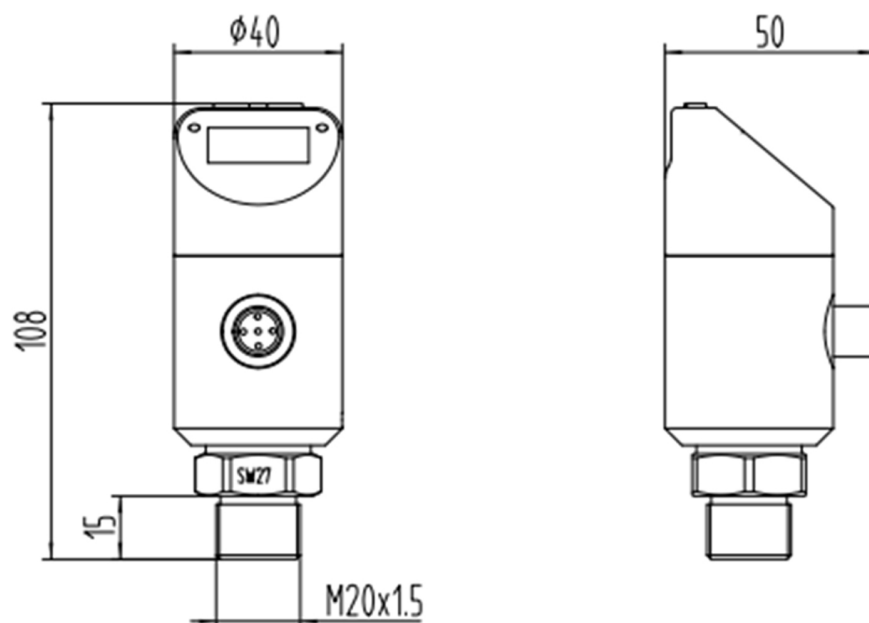
- Adopts OLED display, supports Chinese and English display modes
- Microprocessor is used to increase flexibility and enhance functions
- One channel analog + two channels switch dual mode output
- Supports two calibration methods: debugger and button; two calibration modes, two-point and three-point, are available
- Extremely low temperature drift, suitable for use in industrial environments of -40~85 degrees
- Very flexible switch point setting, automatic recognition of control direction, automatic insertion of hysteresis value
- The indicators far exceed similar products, and the anti-interference characteristics are excellent



Performance Parameter

Measuring Range	-0.1...0~0.01...100MPa
Stability	≤±0.5%/year
Display Method	OLED
Power Range	10~30VDC
Switching Point Response Time	5mS
Output	2-way switch+4-20mA
Protection	IP65
Ambient Temperature	-10°C~80°C
Storage Temperature	≤±0.5%FS
Control Precision	±0.1%FS
Display Accuracy	-9999~99999
Display Range	IP65
Static Power	<12mA
Lead Method	M12 industrial connector
Load Capacity	<2A
Switch Life	>1000000 times
Medium Temperature	-40°C~80°C (≥80°C Cooling Part)
Relative Humidity	0~80%

Dimensions



Ordering Guide

QYK300	OLED Pressure Switch	
5MPa	Code	Measuring Range
	(0-X) MPa	X (Actual required range)
P	Code	Switch Type
	P	PNP
M	Code	Output
	M	Two-way Switch + 4-20mA(M12-5P)
G14	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials