



AV40PG Digital Pressure Gauge

APPLICATIONS

- * Automation equipment
- * Variable frequency water supply
- * Laboratory equipment
- * pneumatic and hydraulic system

FEATURES

- * 4 digit showing the pressure in real time
- * Two types signal available: 4-20mA remote signal or Rs485 signal
- * Good stability, anti electromagnetic interference design
- * Varied pressure units available, erro clearing and zero clearing
- * Wide operation temperature range, wide application areas

OVERVIEW

This digital remote-transmission pressure gauge has two types outlet signal: 4-20mA remote signal, or RS485 signal based on the standard MODBUS RTU communication protocol.

This series of remote gauge uses four digit display, showing real-time pressure. while, the pressure signal can be remoted, transmission distance more than five hundred meters.

This series of digital remote transmission pressure gauge with built-in pressure sensor, has function for users to change the pressure units, zero & error clearing, correction filter constant etc.. It has followed features: 304 stainless steel shell and connector, waterproof cable outlet, waterproof grade IP65, with a very wide range of medium applicability.

SPECIFICATION:

Range	Gauge Pressure Range: 0-2Bar...10...16...50...100...250...400...600Bar Absolute Pressure Range: 0-5kPa...10...20...100...1000kPa
Overload Pressure	≤ 100Bar 200%; >100Bar 150%;
Display	LCD (4-20mA) LED(RS485)
Response Time	2ms
Accuracy	0.25%FS
Stability	Typical: ±0.5%FS/year
Zero Temperature Drift	Typical: ±0.02%FS/°C, Max ±0.05%FS/°C
Sensitivity Tem Drift	Typical: ±0.02%FS/°C, Max ±0.05%FS/°C
Operating Temperature	-20 ~ 80°C
Compensation Temperature	-10 ~ 70°C
Storage Temperature	-40 ~ 100°C
Power Supply	12-32VDC (Typical 24V)
Output Signal	4-20mA or RS485
Electric Protection	Reverse voltage protection, anti-electromagintic interference
Protection Level	IP 65
Measurement Medium	Gas, liquid
Pressure Connector	M20*1.5 (other are customized)
Shell	304 Stainless Steel



Ordering Method

For Example:-

AV40PG P 600 A 1 L 4 S

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

①	Series	Code	Description		⑥	Wetted Material	L	316L-SS
		AV40PG						

②	Pressure Unit	B	Bar	⑦	Output	4	4-20mA
		P	PSI			M	RS-485
X	No Signal output						

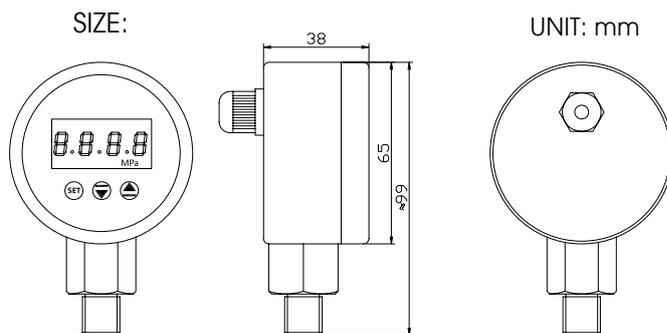
③	Pressure Range	000	Standard Pressure Range (3-Code)		⑧	Electrical Connection	S	3m Cable
		Example	Od2	0.2			Y	M12x1-4P
			010	145				
			100	1450				
			600	8700				
d	Decimal Place							

④	Pressure Type	A	Absolute
		G	Gauge

⑤	Header Thread	1	1/2MNPT
		4	4-20mA
		5	M20x1.5Male
		Y	G1/2Male
		Z	G1/4Male

Pressure Range			
Pressure Range	PSI	Bar	kPa
	0-29	002	200
	0-145	010	01K
	0-232	016	1K6
	0-725	050	05K
	0-1450	100	10K
	0-3600	250	25K
	0-5800	400	40K
	0-8700	600	60K

DIMENSIONAL DATA



ATTENTION: 4-20mA using LCD
RS485 using LED

ELECTRICAL CONNECTION:			
4-20mA(Two Wire)		RS485 Signal(Four Wire)	
Power Supply(V+)	Red	Power Positive(V+)	Red
		Power Negative(V-)	Black
Signal(V-)	Black	RS485(S+)	Green
		RS485(S-)	White