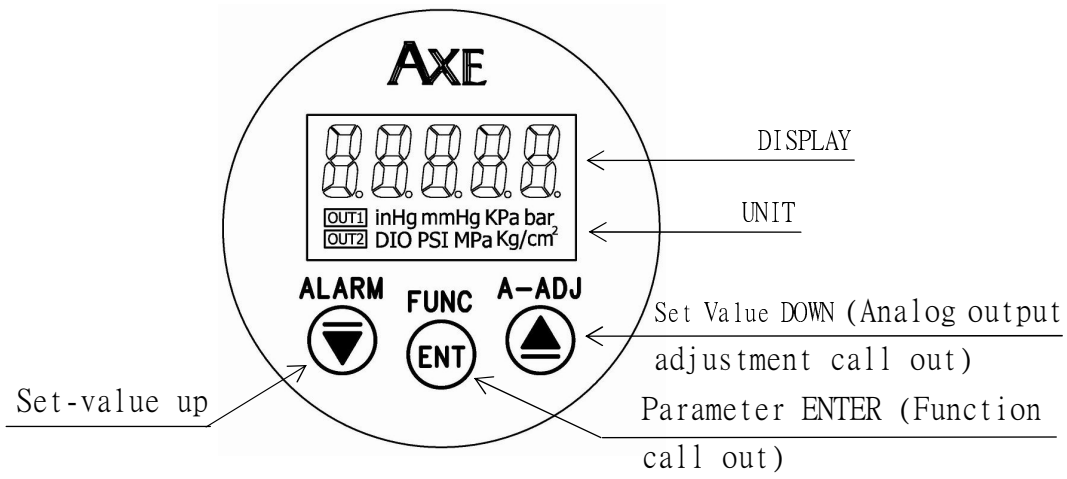
AXE DIGITAL PRESSURE GAUGE

SPD2 series

■Features

◎Accuracy ±0.25% F.S.
◎Thick film strain gague on ceramic and stainless steel(SUS316)
◎Pressure range from -1 to 400bar
◎Display pressure unit bar,Kg/cm^2,KPa,MPa,PSI,mmHg,inHg can be modified
◎Memory hold maximum value and minimum value function
◎Field-range supply voltage from 10 to 30 Vdc
◎RL(max.)<[(Vs-9V)/0.02A]Ω, up to 750ohms at 24 Vdc
◎Protection class NEMA4/IP65

■Name Of Parts



Key Introduce	Operation Manual
㊎ Key Function	1.In normal display, The key function is call out setting page 2.In parameter setting page, The key function is data Enter , and go to next page
▲ Key Function	1.In normal display, The key function is call out adjustment analog output (AZERO&ASPAN)page 2.Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press up key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec, press and hold again, the parameter data will increment. (Key Response about 0.2 sec)
▼ Key Function	1. In normal display,The key function is call out alarm page 2. Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press up key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec, press and hold again, the parameter data will increment. (Key Response about 0.2 sec)
No Key in anything	In any setting page no key in anything about 2 minutes, return normal display

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	12345	Press ㊎/FUNC key into RANGE display page
1-1	RANGE(Input range display)	rAnGE -1. 10.	1.Display input range(-1~2/-1~10/0~50/0~200/0~400) 2.Press ㊎ key enter data and into UNIT setting page
1-2	UNIT(Display Unit) Default=bar	Uni t bAr	1. Decide display init with ▲&▼ key(bar,Kg/cm^2,KPa,MPa,PSI, mmHg,inHg) 2. Press ㊎ key enter data and into DP setting page
1-3	DP(Decimal point position) Default=2	dP 2.	1. Decide decimal point position with ▲&▼ key(0~4) 2. Press ㊎ key enter data and into IDC-T setting page
1-4	IDC-T(Display time) Default=0.5	idC-t 0005	1. Decide display time with ▲&▼ key (0.1~9.9 sec) 2. Press ㊎ key enter data and into ANLO setting page

1-5	ANLO(Analog Output Zero According to Display) Default=0	ANLo 00000	1.Adjustment analog output zero with ▲&▼ key (-19999~99999) 2.Press ENT key enter data and into ANHI setting page
1-6	ANHI(Analog Output Span According to Display) Default=10000	ANHi 10000	1.Adjustment analog output span with ▲&▼ key (-19999~99999) 2.Press ENT key enter data and into P-MIN display page
1-7	P-MIN(Minimum pressure record value)	P-Mi n 12345	1.Display minimum pressure record value 2.Press ENT key into P-MAX display page
1-8	P-MAR(Maximum pressure record value)	P-MAR 12345	1.Display maximum pressure record value 2.Press ENT key into RST-P setting page
1-9	RST-P(Reset maximum and minimum pressure record value) Default=NO	rSt-P no	1.Decide reset pressure record with ▲&▼ key (NO/YES) 2.Press ENT key enter data and into DZERO setting page
1-10	DZERO(Display Zero Adjust)	dZEro 00000	1.Adjustment display zero with ▲&▼ key 2.Press ENT key enter data and into DSPAN setting page
1-11	DSPAN(Display Span Adjust)	dSPAn 00000	1.Adjustment display zero with ▲&▼ key 2.Press ENT key enter data and return to normal display
Step	Parameter mark description	Parameter mark	Operation manual
2	Normal display	12345	Press ▲/A-ADJ key about 5 sec, into AZERO adjustment page
2-1	AZERO(Analog output Zero Adjust)	AZEro 00000	1.Adjustment analog output zero with ▲&▼ key 2. Press ENT key enter data and into ASPAN adjustment page
2-1	ASPAN(Analog output Span Adjust)	ASPAn 00000	1.Adjustment analog output span with ▲&▼ key 2. Press ENT key enter data and return to normal display
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Input over error detect	ioFL	Input signal over range(120%)
2	Input under error detect	-ioFL	Input signal under range(-20%)
3	Display over error detect	doFL	Display over range(99999)
4	Display under error detect	-doFL	Display under range(-19999)
5	A/D Converter error detect	AdEr	1. Input signal over range (180%) 2. Inside circuit damage Please moving input signal if still display ADER, please contact us
6	EEPROM error detect	E-00 no YES	1.External interference when flash memory read/write 2.Flash memory write about 100 thousand times(guarantee 10 years) Please power reset, if still display E-00,doing following step: 1. E-00 & No alternate display for inquire reset FLASH memory 2. Decide Yes with ▲ or ▼ key, press ENT key return normal display 3.Flash memory was reset, Please follow step 1~10 set again