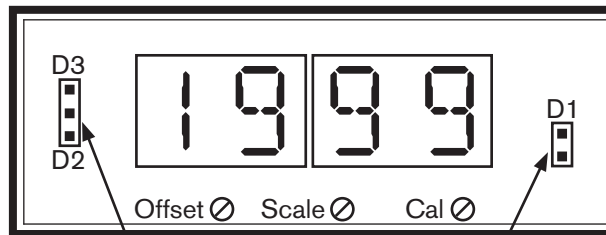


Calibration Instructions for FPM482 Digital Panel Meter (Except 4-20mA)

1. Unclip bezel and remove the front lens from the panel meter.
2. Select the decimal point position (if required) by repositioning the jumper in position D1, D2 or D3 (see table below).

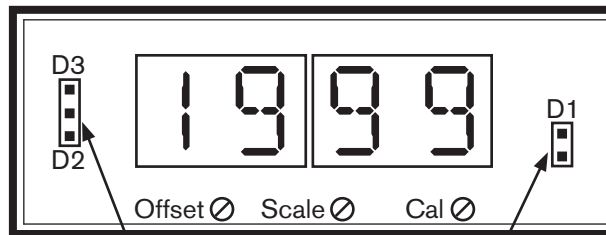


	Jumper Position	#	Decimal Point
1		N/A	1999
2		D1	199.9
3		D2	19.99
4		D3	1.999

3. Connect the auxiliary power supply to terminals 6 and 8 on the panel meter and switch on for at least 3 minutes.
4. With no input signal being measured, check the display is reading zero. If necessary, adjust the multiturn potentiometer marked 'Offset' until zero reading is displayed.
5. Inject full scale input into terminals 1(+/~) and 3(-/~) and adjust the multiturn potentiometer marked 'Scale' until display reads the full range required. Fine adjustment of the full scale reading can be made by adjusting the multiturn potentiometer marked 'Cal'.
6. Check the meter calibration at zero, half scale and full scale and repeat steps 4 and 5 above if necessary.
7. Replace the front lens and bezel.

Calibration Instructions for FPM482DCA 4-20mA Digital Panel Meter

1. Unclip bezel and remove the front lens from the panel meter.
2. Select the decimal point position (if required) by repositioning the jumper in position D1, D2 or D3 (see table below).

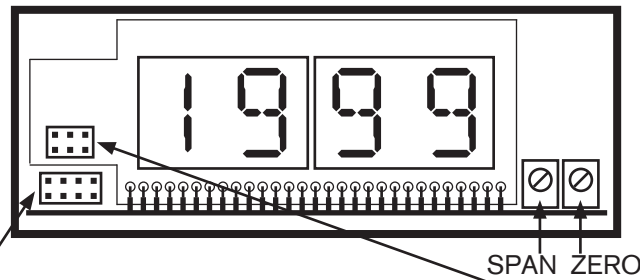


	Jumper Position	#	Decimal Point
1		N/A	1999
2		D1	199.9
3		D2	19.99
4		D3	1.999

3. Connect the auxiliary power supply to terminals 6 and 8 on the panel meter and switch on for at least 3 minutes.
 4. With no input signal being measured, check the display is reading zero. If necessary, adjust the multiturn potentiometer marked 'Offset' until zero reading is displayed.
 5. Inject 16mA input into terminals 1(+) and 3(-) and adjust the multiturn potentiometer marked 'Scale' until display reads the full range required. Fine adjustment of the full scale reading can be made by adjusting the multiturn potentiometer marked 'Cal'.
 6. Inject 4mA input into terminals 1(+) and 3(-) and adjust the multiturn potentiometer marked 'Offset' until display reads zero.
 7. Check the meter calibration at the following points:-
 - Input = 4mA display reading = zero
 - Input = 12mA display reading = half scale
 - Input = 20mA display reading = full scale
- and repeat steps 4 to 6 above if necessary.
8. Replace the front lens and bezel.

Calibration Instructions for FPM964 Digital Panel Meter (Except 4-20mA)

1. Remove the front lens from the panel meter.
2. Select the overall display range. This is done by repositioning the ratio jumpers JC1 and JC2 (see tables below).



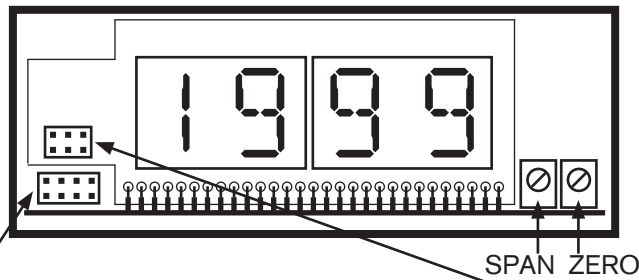
JC1	Jumper Position	Display Range
A		1700~1999
B		1300~1725
C		900~1300
D		825~1200
E		625~900
F		425~625
G		300~425
H		200~300

JC2	Jumper Position	Decimal Point
1		1999
2		199.9
3		19.99
4		1.999

3. Connect the auxiliary power supply to the panel meter and switch on for at least 3 minutes.
4. With no input signal being measured, check the display is reading zero. If necessary, adjust the multiturn potentiometer marked 'ZERO' until zero reading is displayed.
5. Inject full scale input into terminals 1 (+/~) and 3 (-/~) and adjust the multiturn potentiometer marked 'SPAN' until display reads the full range required.
6. Check the meter calibration at zero, half scale and full scale and repeat steps 4 and 5 above if necessary.
7. Replace the front lens.

Calibration Instructions for FPM964DCA 4-20mA Digital Panel Meter

1. Remove the front lens from the panel meter.
2. Select the overall display range. This is done by repositioning the ratio jumpers JC1 and JC2 (see tables below).



JC1	Jumper Position	Display Range
A		1700~1999
B		1300~1725
C		900~1300
D		825~1200
E		625~900
F		425~625
G		300~425
H		200~300

JC2	Jumper Position	Decimal Point
1		1999
2		199.9
3		19.99
4		1.999

3. Connect the auxiliary power supply to the panel meter and switch on for at least 3 minutes.
4. Inject 4mA input into terminals 1(+) and 3(-) and adjust the multiturn potentiometer marked 'ZERO' until display reads zero.
5. Inject 20mA input into terminals 1(+) and 3(-) and adjust the multiturn potentiometer marked 'SPAN' until display reads the full range required.
6. Inject 4mA input into terminals 1(+) and 3(-). Display should now read zero.
7. Check the meter calibration at the following points:-
 - Input = 4mA display reading = zero
 - Input = 12mA display reading = half scale
 - Input = 20mA display reading = full scale
- and repeat steps 4 to 6 above if necessary.
8. Replace the front lens.