

4-20mA Loop Powered 1/8 DIN meter - model 88-PRO

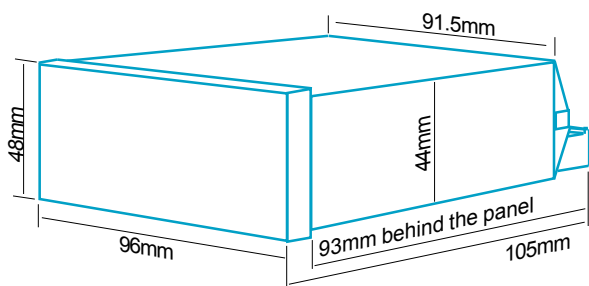


- Shallow case 93mm behind panel
- Low cost and fast delivery
- Powered by its input signal

A detailed operating manual for this model is available at <http://london-electronics.com/>

General specifications

Digit Height	12.7mm standard
Display type	High contrast LCD
Accuracy	+/- 0.1 % of range
Calibration method	Zero + Span pots
Decimal point selection	push-on jumpers
CMRR	65 dB DC-450Hz.
Linear ranges	3-21mA, 8-52mA, 0.8-6mA
Resolution	1 part in 2000 max.
Display update rate	3 readings/second
Technique	dual slope integrator
Integration period	100mS
Temperature range	0 to +50 degrees C
Sealing rating at bezel	IP54



Panel cutout 45mm high x 92mm wide. Weight 250 grammes. Sealed IP54. For the IP67 optional cover, specify option SPC4

The 88-PRO can display a wide range of process variables such as temperature, pressure, flow, weight, pH, humidity etc. It accepts 4-20mA, 10-50mA and 1-5mA, and gives superb value for money.

The loop voltage drop is only 2.5V.

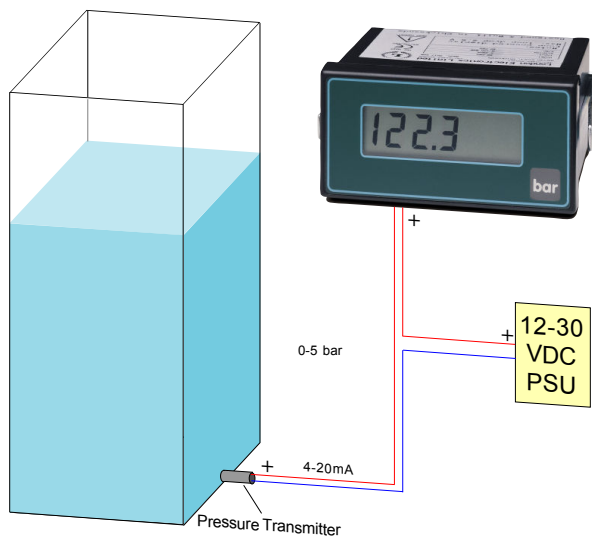
The simple bezel will compliment your panel design. The lens protects all legends and markings, so display clarity will always be excellent even after repeated wipedowns. High contrast LCDs make these meters suitable for use in bright environments.

You can extend the maximum reading up to 19990, or 199900 with fixed zeros, selected by jumper switches. This is useful when the cost of a 4 1/2 or 5 1/2 digit meter may be too high.

There's also an INVERT facility, so an increasing input signal gives a reducing display, for example 4-20mA =100.0 to 0.0

Typical application

You can connect the 88-PRO to a wide range of signal loops. You won't need a power supply. This is because the meter uses the input signal as its power source.



This simple example shows how to use the 88PRO to measure the contents of a straight sided liquid storage tank. The transmitter is at the bottom of the tank, and as liquid level rises, the pressure at the base rises. Simply adjust the meter to read in true volume.

Ordering Guide:

Input signal range **4-20mA** **10-50mA** **1-5mA**
 Display range **Specify, eg. 0-100.0 , 0-200, 0-19990 etc.**
 Units of measure **Specify, eg. Bar, kg, °C, %rh etc.**
 Accessories **Specify any other options you want, such as SPC4 IP67 cover**
 Example 88-PRO-4-20mA-0-50-°C-SPC4

