Procon Engineering

(A Division of National Oilwell Varco UK Limited)

Digital Panel Meter

Front sealing to IP65

Dual scale – imperial & metric

Count by 1, 2, 5, 10, 20 or 50

Analogue & serial output options

Alarm output options

5 digit 14.2mm high red (or optional green} LED display

These are among the **easiest** of programmable panel meters to commission. They offer **high precision** with **long-term reliability**.

The Process Digital Display version accepts 4-20mA, 0-10V, 1-5V, 0-10mA input. It is ideal for all general-purpose process measurements such as weight, flow, pressure, level, humidity etc. 24V Excitation rated to 60mA. Last digit selectable to count by 1,2,5,10,20 or 50. Variable filtering / averaging. Remote logic inputs for tare (force to zero), reset, peak and valley. Rear panel security lock.
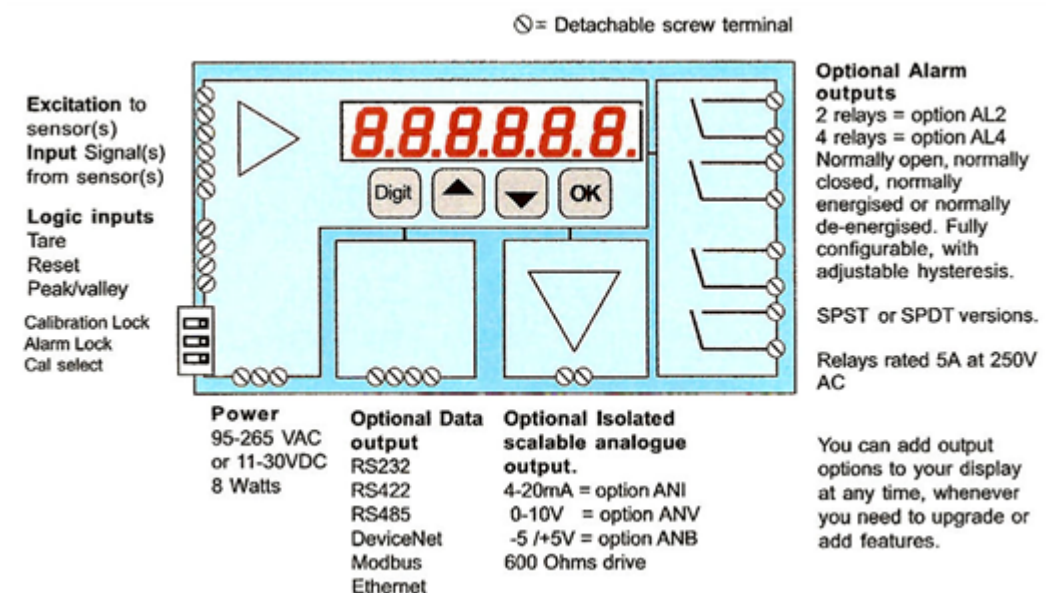
The Serial Digital Data Display version can be used as a slave indicator and for remote applications. It accepts RS232, RS422, RS485 and TTY in ASCII format. Addressable 00 to FF. Able to extract data from complex strings. 300, 600, 1200, 2400, 9600 baud rate.

Digital Panel Meter
Technical Specification Sheet

Digit height:	14mm, legible up to 7metres away
Display type:	High brightness Red LED
Calibration method:	Direct via front panel push buttons
Time to reach +/- 0.02% final from step:	= 1.2s
Bezel size:	$\frac{1}{8}$ DIN 48mm x 96mm
Warm up time:	10 minutes
Operating temperature:	-10 to +60°C
Storage temperature:	-40 to +85°C
Case depth:	125mm including connectors
Panel cut out:	45mm x 92mm
Sealing from front	IP65

Anatomy

⊘= Detachable screw terminal

Excitation to sensor(s)
Input Signal(s) from sensor(s)

Logic inputs
Tare
Reset
Peak/valley

Calibration Lock
Alarm Lock
Cal select

Power
95-265 VAC
or 11-30VDC
8 Watts

Optional Data output
RS232
RS422
RS485
DeviceNet
Modbus
Ethernet

Optional Isolated scalable analogue output.
4-20mA = option ANI
0-10V = option ANV
-5 /+5V = option ANB
600 Ohms drive

Optional Alarm outputs
2 relays = option AL2
4 relays = option AL4
Normally open, normally closed, normally energised or normally de-energised. Fully configurable, with adjustable hysteresis.

SPST or SPDT versions.

Relays rated 5A at 250V AC

You can add output options to your display at any time, whenever you need to upgrade or add features.

Issue No: 2018-01