

NEW

## 4 digit DC voltmeters with flexible output options

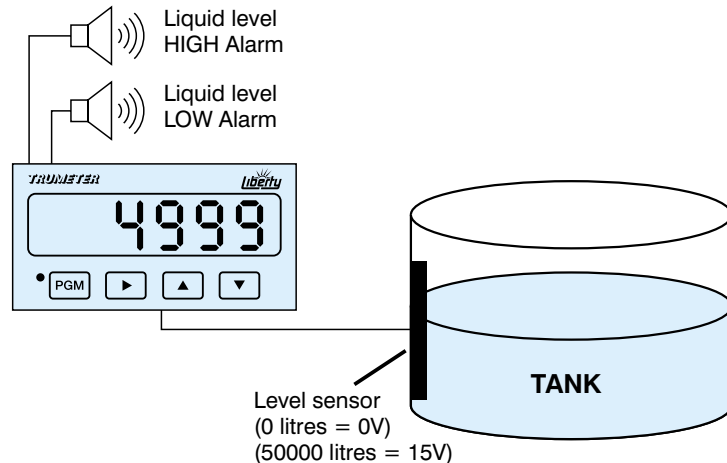


Flexible output options make this meter the right choice for many applications. With display scaling the user can display engineering units from a linear DC input.

- High visibility LED display
- 1/8 DIN (96mmX48mm) bezel
- Fully programmable
- Display scaleable to show engineering units
- Programme lock out facility
- AC and DC powered models available
- Analogue re transmission option
- Dual relay output option for alarms or ON/OFF control
- RS485 communications option
- CE approval (UL and cUL pending)

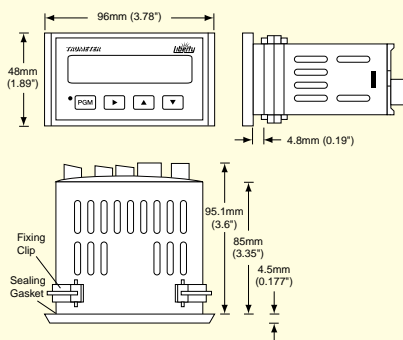
### Typical Application

- \*Level indication and alarm from a transducer input using relay outputs
- \*System voltage display
- \*Drive speed indication from 0-10VDC inverter output



### Dimensions

Panel cut-out 92 x 45mm +0.4mm-0  
(3.62 x 1.22" +0.015")



### Specification

**Power Supply** AC Powered 85-265VAC 47-63Hz 20VA  
DC Powered 9-30VDC 12VA  
**Display** 14.2 mm High visibility LED Display  
**Signal Input**  
Ranges +/- 199.9mVDC, +/-1.999VDC, +/- 19.99VDC, +/-199.9 +/-300VDC DIP switch selectable, Impedance 1MΩ 750VDC 530VAC Overrange except 220VAC/VDC on 199.9mV range Accuracy +/- 0.1% of reading +/- 1 digits and +/-80ppm/°C  
**Optional Outputs**  
**Relay output**  
2 SPCO (Form C) relays. Contact rating 5A 250VAC or 30VDC @ unity power factor  
**Analogue retransmission**  
4-20mA (<750 Ω load ) and 0-10VDC (> 2500 Ω load)  
**RS485 Serial Communications**  
Baud rate 1200,2400,4800,9600 or 19,200 programmable Parity Even, odd or no parity Address 00-99  
**Data Retention** EEPROM 100years duration  
**Operating Temperature** 0-50°C  
**Storage Temperature** -20-70°C  
**Humidity** 0 to 85%RH non condensing  
**Vibration** 2.5 g's 30-200Hz  
**Shock** 30g's  
**Front Panel Protection** IP65 when properly mounted using gasket supplied  
**Approvals** CE (UL and cUL pending)

### Ordering Information

Order by type number:

<b>870X</b>		
<b>DC powered AC powered</b>		
8700-0	8701-0	No O/P option
8700-1	8701-1	Dual relay
8700-2	8701-2	Analogue (4-20mA, 0-10V)
8700-3	8701-3	Dual relay, Analogue (4-20mA & 0 to 10V)
8700-4	8701-4	RS485
8700-5	8701-5	Dual relay, RS485
8700-6	8701-6	Analogue (4-20mA & 0 to 10V), RS485
8700-7	8701-7	Dual relay, analogue (4-20mA & 0 to 10V), RS485