

# 878X

## Electronic Totalisers with Ratemeter

**NEW**

6 digit totalising counters with a 5 digit rate meter

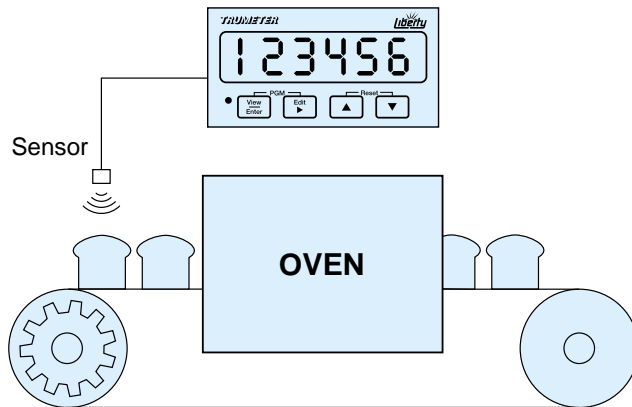


With programmability and flexible options available the 878X is capable of displaying and controlling almost any count application.

- 14.2mm High visibility LED display
- 1/8 DIN (96mmX48mm) bezel
- Batch count (using output relay option)
- Simple user programming
- Display scaleable to show engineering units
- Programme lock out facility
- AC and DC powered models available
- Analogue re transmission option
- RS485 communications option
- CE, UL and cUL approved

### Typical Application

- \*Label production counting
- \*Product manufacturing count and rate indication

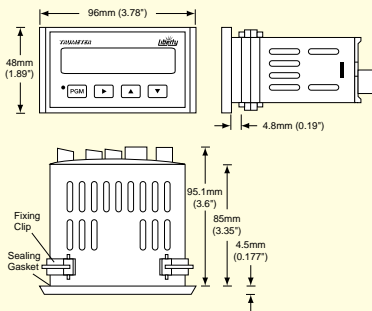


Item Counting

4

### 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  
**Sensor supply** 12VDC +/- 12% 75mA max  
**Display** 14.2 mm High visibility LED Display  
**Signal Input**  
 Sink or Source DIP switch selectable  
 Thresholds High 3.5 to 28VDC Low 0-1.9VDC for single ended signals Magnetic pick up range 200mV pk-pk to 65VRMS into 34.9 kΩ load  
 Slow response 200Hz max  
 Fast response 8.25kHz A or B 3KHz A and B QuadX1 and QuadX2 3.25kHz QuadX4 2KHz  
**Control Inputs** Sink only (4.75kΩ to +5VDC) internal load. Thresholds high 3.5 to 28VDC Low 0-1.9VDC  
 Response time 25msecs max (5V signal)  
**Optional Outputs**  
**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

### Ordering Information

Order by type number:

**878X**  
**DC powered AC powered**

8780-0	8781-0	No O/P option
8780-2	8781-2	Analogue (4-20mA, 0-10V, 1-5V)
8780-4	8781-4	RS485
8780-6	8781-6	Analogue (4-20mA & 0 to 10V), RS485