

# PROFESSIONAL TRANSDUCER DISPLAY

## DESCRIPTION

The PTD is designed for powering and displaying the readings from AWS Intelligent Torque Transducer ranges (I Series). The PTD features a bright, full colour LCD graphic display, showing the torque reading, both in large 6 digits, and analogue bar graph. The PTD features Run, Peak and 1st Peak mode operation, unit and limits selection via front *panel soft keys*. When using the limits features, external yellow, red and green LEDs indicate whether torque values are low, high or acceptable, and the 6 digit reading changes colour. The PTD displays torque in Nm, cNm, Lbf.Ft, Lbf.In and Ozf.In. RS232 output enables the PTD to be connected to a PC for direct input into ADMS Kepler 4 Calibration and Conformity Software (sold separately).

The 1010M is designed for use with the AWS UTWCM (Sold separately). The models 1010B and 1010H have internal rechargeable batteries for portable operation. These models also indicate the battery level status. The 1010H is a more rugged option for demanding environmental climates. The AWS Professional Transducer Display (PTD) is available in three versions: 1010M, 1010B and 1010H. All versions casings have a rugged solid design for withstanding shock & impact damage.

## SPECIFICATIONS

Model: PTD-	1010M	1010B	1010-H
Specification	Mains power supply from 12V DC charger.	Internal rechargeable batteries.	Internal rechargeable batteries. Heated display for use at sub-zero temperatures. Rated to IP 67.

### LCD Display:

- 70mm X 52mm Bright, Full Colour, Sunlight Readable LCD Display
- 6 Digit Active Reading
- Analogue Bar Graph
- Mode, Unit, Limit Selection and Setting Graphics via Soft Keys
- Battery State and Indication of Charging (1010B/H).

### Power:

1010M – Mains powered from 12V DC charger  
 1010B/H - Internal Rechargeable Batteries allow for portable use. Auto power off function extends life of the display. Supplied with 12V DC charger.

### Accuracy:

Better than 1% of reading from 4% to 100% F.S.D when used with AWS Intelligent Torque Transducers.

### Limit Selection:

Low, Pass, High

### Units:

Nm, cNm, LbfFt, LbfIn, OzfIn

### Data Output:

9-pin D Standard Female Connector

### Operating temperature:

1010M/B: -10 to +50°C  
 1010H: -20 to +50°C

### Temperature coefficient:

On Zero: 0.01% per °C  
 On Span: 0.03% per °C

Mode:  RUN  1<sup>st</sup> PEAK  PEAK

### Weight:

1.6 Kg

### Size:

160mm x 220mm x 200mm

### CE:

2014/30/EU

### EMC:

EN 61326-1:2013

### NATO Stock No:

5980-22-623-1641

### Screenshots:



Left: Graphical mode selection. Centre: Reading screen showing mode/units selected and analogue bar graph. Right: Battery level warning

