

DT 120 & TP 200 Temperature Measurement System



DT 120 Digital Display



TP 200 Temperature Probe

The DT 120 is a 4 digit programmable panel meter, which when used in conjunction with the TP 200 temperature probe, forms a digital thermometer accurate to ± 1 °C.

The readout is housed in a case with DIN standard dimensions and is complete with all mounting hardware. The high intensity LED display makes this unit especially suitable for test stand applications. The DT120 is available calibrated in °C or °F.

The TP200 temperature probe utilises a thermistor which produces a signal which is proportional to temperature. The thermistor is mounted in a 1/4" BSPF high pressure fitting.

The DT120 is supplied factory set and ready for use. The temperature probe can be connected directly into a high pressure line or to the hydraulic tank, for accuracy with fast response.

Consult sales office for other temperature probes.

Features:

- **TEMPERATURE RANGE:** 1 - 100 °C
34 - 212 °C
- **DISPLAY:** 4 digit
- **ACCURACY:** ± 1 °C
- **RESOLUTION:** ± 0.5 °C
- **MAX. PRESSURE:** 420 bar
6000 psi
- **POWER SUPPLY:** 110 / 220 AC or
12 / 24 DC

Another quality product from the Webster Range

Connections

The TP200 probe has a 1/4" BSPF thread which enables the tip of the probe to be positioned within pressure lines or tanks for maximum accuracy and speed of response. The TP 200 is connected to the

DT 120 via a 6 metre cable FT8004-6. Longer lengths are available. The power supply cable is connected at the rear of the readout.

Measurement and Indication

TP 200 Temperature Probe

Temperature is sensed by a thermistor which produces a signal proportional to the temperature. The sensor is housed in a probe which can be connected directly into the high pressure line.

Normal Range:	1 to 80 °C 34 to 176 °F
Maximum Range:	1 to 100 °C 34 to 212 °F
System Accuracy:	±1 °C
Maximum Pressure:	420 bar 6000 psi
Connection Material:	Brass. Nickel plated.

DT 120 Digital Display

A large and easy to read 4 digit (9999) red LED display with 12.7mm (0.5") high characters is housed in a robust aluminium case with DIN standard dimensions. Calibration in °C or °F can be selected by internal switch.

Display:	High Intensity Red LED 4 digit display
Digit Height:	12.7mm (0.5")
Range:	1 to 100 °C 34 to 212 °C
Power Supply:	110 / 240 V AC standard 12 / 24 V DC available
Power Consumption:	5 Watts Internal 50 / 100 Milliamp Fuse.

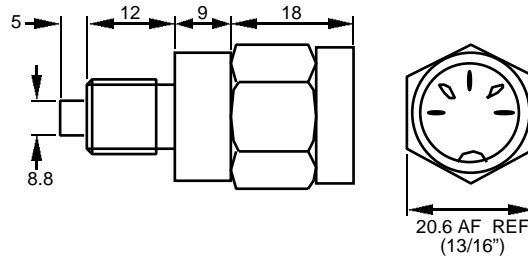
How to Order

Specify the temperature sensor and readout as required e.g. DT120, 240V AC with TP200 and

FT8004-6 is a digital display 240V AC with temperature probe and 6m cable assembly.

Installation

TP 200 Temperature Probe



DT 120 Digital Display

