

## DP130 Series

Digital pressure readouts

Ranges to 10,000 psi



The DP130 Series Digital Readout and its associated WPT series pressure transducer provide accurate and economical pressure measurement. This system can be applied to hydraulic test stands, machinery and other control systems using oil, water or gas.

The pressure test system is supplied factory pre-calibrated and complete with test certificates to national standards. It comprises a panel mounting digital readout, pressure transducer and connecting cable. Simply plug into a suitable power supply and switch on.

The low cost and rugged design allows the WPT transducers to be designed into O.E.M. mobile or industrial for control systems and condition monitoring.

The digital pressure meter together with the Webster range of digital flowmeters, tachometers, thermometers and associated transducers, provide the instrumentation needed to analyse the performance of pumps, motors, valves and hydrostatic transmissions.

### Features

- **PRESSURE:** 10,000 psi working
- **ACCURACY:** better than 0.2% span
- **LARGE** easy to read 4 digit display
- **POWER** supply AC or DC
- **AVAILABLE** with relays and analog outputs (4 - 20 mA and 0 - 10 V)

*Another quality product from the Webster Range*

## Specifications

Typical pressure test systems, 90 - 230 VAC powered - other pressure ranges available, see order code below.

Model Number	Pressure Range (psi)
DP130-S-AC-WPT600	600
DP130-S-AC-WPT1500	1500
DP130-S-AC-WPT3000	3000
DP130-S-AC-WPT6000	6000
DP130-S-AC-WPT10000	10000

## Measurement and indication

### Readout

Large easy to read 4 digit red LED display reading to 9999. Characters 14.2mm (.56") high, seven segment. The number of decimal places is user programmable to allow the required degree of resolution. Readouts are supplied calibrated in psi but can be scaled in any related pressure unit or linear process variable.

Readout Accuracy:  $\pm 0.05\%$  of reading.

### Accuracy with Webster pressure transducers

All WPT series pressure transducers have excellent repeatability.

Temperature range: Compensated -20° to +80°C  
Max. operating -55° to +120°C  
(cable limited to 100°C)

Temperature effects:  $\pm 0.015\%$  span / °C over  
on accuracy compensated range

### Pressure

The sputtered Thin Film Sensor ensures excellent performance over wide operating temperatures and under extreme conditions of shock and vibration. The stainless steel housing eliminates possible leak paths and affords a robust construction, with an integral viton seal to ensure sealing at high pressures.

### Units of measurement

The readouts are available to measure standard units of pressure, bar and psi. Readouts can be specially calibrated to the units of your choice, i.e. lbs force or any other machine function which is related to pressure.

## Construction

### Readout

The display is housed in a black plastic case with polyester front label and pull-out terminal blocks for easy wiring.

Models are available with two relays and analogue outputs. The relays can be set for high and low rates, the analog output is both 4 - 20 mA and 0 - 10 V.

The readout is supplied complete with panel mounting clamps and gasket.

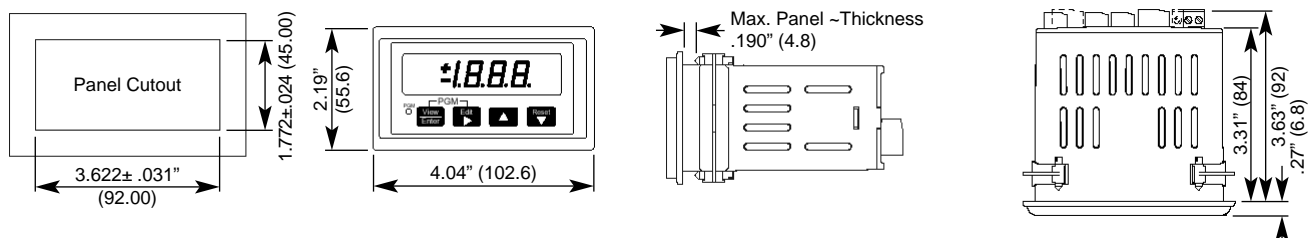
Voltage: 85 - 265 V AC or 9 - 30 V DC

Mass: 0.25kg

Dimensions: See installation details below

## Installation

DP130 digital pressure readouts are designed to be panel mounted, see details below.



## How to order

Choose Output Options, Power Supply (AC or DC) and Pressure Range, then contact your local sales office. Contact details on the front page of the bulletin.

DP130 -

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### Output Options

S = No Option  
R = Dual Relay (5A Form C)  
A = Analog (4 - 20 mA & 0 - 10V simultaneous)  
RA = Dual Relay, Analog Output  
(4 - 20mA, 0 - 10V simultaneous)

### Power Supply

DC = (9 - 30 VDC)  
AC = (85 - 276 VAC)

### Pressure Range (psi)

600, 1500, 3000, 6000, 10000

(Gauge pressures, other ranges available)  
S = Special Calibration, please specify  
\* Standard cable length is 20 ft., specify other length as required.