

# DTG-2K

## DIGITAL TEST GAUGE

The DTG-2K Digital Test Gauge offers an accurate and convenient replacement to standard analogue test gauges. Available in five standard ranges the unit can display a variety of pressure units including bar, mbar, kg/cm<sup>2</sup>, psi, MPa.

A compact instrument, the DTG-2K is ideally suited as a Master Test Gauge for operation with TTI's Pneumatic or Hydraulic Pressure Pumps, enabling simplified and efficient calibration.

The measuring element of the gauge is a fully isolated piezo-resistive pressure transducer chosen for its stability, high accuracy, and reliability. It is well suited for both static and dynamic applications and is capable of capturing transient pressure pulses with durations of only microseconds.



- **0.2% FS Accuracy**
- **5 Ranges Available between -1 to 1000 bar, -14.5 to 10,000 psi**
- **5 Selectable Pressure Units**
- **All Stainless Steel (316) Welded Pressure Cavity**
- **Four-Digit Resolution**
- **Simple Battery Replacement**
- **Peak Hold Facility**
- **Max. & Min. Read Facility**
- **Auto Switch Off or Continuous Use Selection**
- **Convenient 3" Diameter Face**
- **Ideal Replacement for Analogue Test Gauges**

## SPECIFICATIONS

RANGE	RESOLUTION	OVERRANGE	OVERPRESSURE
-1 to 3 bar, 45 PSI	1 mbar, 0.015 psi	3.5 bar, 52 psi	10 bar, 150 psi
-1 to 30 bar, 450 PSI	10 mbar, 0.15 psi	35 bar, 520 psi	60 bar, 900 psi
0 to 300 bar, 4500 PSI	100 mbar, 1.50 psi	400 bar, 6000 psi	400 bar, 6000 psi
0 to 700 bar, 10,000 PSI	200 mbar, 3.0 psi	700 bar, 10,000 psi	700 bar, 10,000 psi
0 to 1000 bar	200 mbar, 3.0 psi	1000 bar	1000 bar
ACCURACY	0.2% F.S. standard (<1% FS in overrange)		
PEAK VALUE	Measured 5000 times per second		
DISPLAY UPDATE	Twice per second		
BATTERY	3V type CR 2430		
BATTERY LIFE	"BATT LOW" Warning on display		
Mano-Mode	1400 hours continuous operation		
Peak-Mode	180 hours continuous operation		
PRESSURE PORT	1/4 BSP male or 1/4 NPT male		
PROTECTION	IP65		
OPERATING TEMPERATURE	0 to 50°C (32 to 122°F)		
STORAGE TEMPERATURE	-30 to 80°C (-22 to 176°F)		
COMPENSATED TEMPERATURE RANGE	0 to 50°C (32 to 122°F)		
DIMENSIONS	3 DIA x 4.6 x 0.4 in.		
WEIGHT	0.5 lb.		
SWITCH OFF	By key or auto switch off after 15 minutes		

## ORDERING INFORMATION

DTG-2K-3	Digital test gauge -1 to 3 bar G, -14.5 to 45 psi	\$ 495
DTG-2K-30	Digital test gauge -1 to 30 bar G, -14.5 to 450 psi	495
DTG-2K-300	Digital test gauge 0 to 300 bar G, 0 to 4500 psi	495
DTG-2K-700	Digital test gauge 0 to 700 bar G, 0 to 10,000 psi	495
DTG-2K-1000	Digital test gauge 0 to 1000 bar G, 0 to 15,000 psi	495