

## DIGITAL TEST GAUGE

PRESSURE GAUGES

Reotemp's Series DT40 Digital Test Gauge is designed for testing and validating a variety of equipment and instruments. The stainless steel wetted connection and sensor with built-in pulsation dampener is ideal for measure pressure or vacuum in gas or liquid applications compatible with stainless steel. The display is customizable allowing user to change unit of measurement, refresh rate, decimal placement and number of decimals.



### SPECIFICATIONS

<b>Accuracy</b>	Standard $\pm 0.1\%$ FS, $\pm 0.25\%$ on 15k-40k psi
<b>Connection</b>	Standard 1/4" MNPT, optional 1/2" MNPT, G1/2B, & M20x1.5, 1/4" HPF 9/16"-18 UNF
<b>Ambient Limits</b>	35/120°F
<b>Process Limits</b>	0/175°F
<b>Wetted Material</b>	316SSL Sensor and Process Connection
<b>Case Material</b>	304SS
<b>Case Size</b>	4"
<b>Display Features</b>	400 x 240 dot Resolution
Size	2.3"w x 1.4"h
Pressure display text	0.55" size, 5 digit characters
Temperature Indicator	0.12" text height 32-122°F reading °F or °C
	Pressure Bargraph Indicator
	Battery Charge Indicator
<b>Battery Life</b>	> 2400 h (depending on STANDBY time & refresh rate)
<b>Power Supply</b>	Batter Li-SOCI2 3.6 V / 2600 mAh
<b>Rotatable Display</b>	340° Rotation
<b>Temperature Effect</b>	$\leq 0.05\%$ FS/10K
<b>Reference Temperature</b>	77°F
<b>Ranges Available</b>	See Table 1
<b>Maximum Overpressure</b>	See Table 1
<b>Environmental Protection</b>	Nema 4 (IP65)

### FEATURES / BENEFITS

- High Accuracy:  $\pm 0.1\%$  FS
- Large Display with 0.5" Text Height
- Lasting Lithium Li-SOCI2 3.6V Battery
- Built-In Temperature Indicator
- Field Adjustable Display
- Included with Protective Boot
- Standard with 10-pt Calibration Certificate

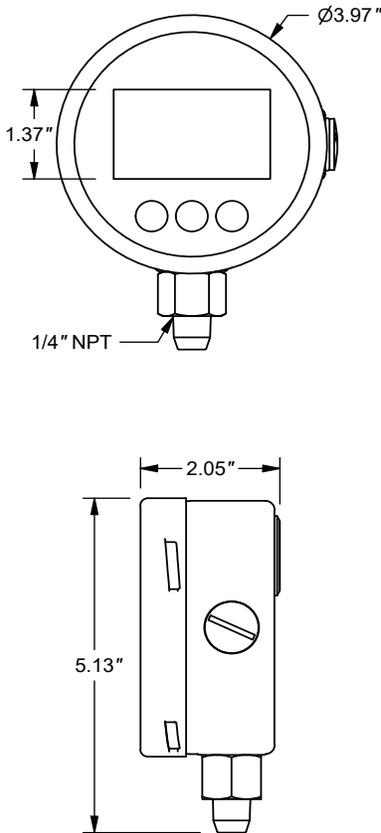
### MENU OPTIONS:

- Change Pressure or Temperature Unit of Measurement
- Obtain Min/Max Values - Reset
- Tare/Zero Function
- Refresh Rate Adjustment (0.5s standard, adjustable in 1s increments)
- Adjust STANDBY (10min standard, adjustable in 10min increments)

## DIGITAL TEST GAUGE

**HOW TO ORDER:** Choose options to build a part number. For example: **DT40S1A4P18-WC**

MODEL	DIAL SIZE	CASE	WETTED PARTS	CONNECTION	PROCESS CONNECTION	PRESSURE RANGE	OPTIONS
<b>DT</b>	<b>40</b>	<b>S</b>	<b>1</b>	<b>A</b>	<b>4</b>	<b>P18</b>	<b>-WC</b>
DT = Digital Test Gauge	40 = 4" Size 2.3"x1.4" Display Window (0.55" Pressure reading text height)	S = Stainless Steel Case	1 = 316SS Sensor and Process Connection	A = Bottom	4 = 1/4" MNPT (Standard) 2 = 1/2" MNPT	P18 = See table below	-WC = Waterproof Carrying Case -42 = 4-20mA Output*



PRESSURE RANGE TABLE		
Range Code	Pressure Range	Max Working Pressure (psi)
P03	30 inHg to 0 to 30psi	50
P04	30 inHg to 0 to 60psi	80
P05	30 inHg to 0 to 100psi	130
P06	30 inHg to 0 to 160psi	200
P07	30 inHg to 0 to 200psi	320
P16	0 to 30psi	50
P17	0 to 60psi	80
P18	0 to 100psi	130
P19	0 to 160psi	200
P20	0 to 200psi	300
P21	0 to 300psi	400
P22	0 to 400psi	550
P23	0 to 600psi	800
P25	0 to 1,000psi	1,300
P30	0 to 1,500psi	2,200
P325	0 to 2,500psi	3,500
P33	0 to 4,000psi	6,000
P35	0 to 6,000psi	9,000
P37	0 to 10,000psi	13,000
P38	0 to 15,000psi	20,000
P39	0 to 20,000psi	30,000
P40	0 to 30,000psi	40,000
P425	0 to 40,000psi	55,000

Standard scales: Pressure units psi, bar, mbar, kgf/cm<sup>2</sup>, Pa, hPa, kPa, MPa, mmH<sub>2</sub>O, cmH<sub>2</sub>O, mH<sub>2</sub>O, mmHg, cmHg, inH<sub>2</sub>O, ftH<sub>2</sub>O, inHg, ftHg, kp/cm<sup>2</sup>, lbf/ft<sup>2</sup>, lbf/in<sup>2</sup>, torr, atm, user defined or absolute ranges available upon request  
 \* = Non-Standard Extended Delivery