Series DT40

DIGITAL TEST GAUGE

REOTEMP's Series DT40 Digial 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 SS. The display is customizable allowing user to change unit of measurement, refresh rate, number of decimals, and min/max value memory.

DIAPHRAGM SEALS

Diaphragm Seal
Compatible

SPECIFICATIONS

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

FEATURES / BENEFITS

- High Accuracy: ±0.1% FS
- Large Display with 0.5" Text Height
- Lasting Lithium Li-SOCI2 3.6V Battery
- Built-In Temperature Indicator
- Field Adjustable Display

MENU OPTIONS:

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

REOTEMP INSTRUMENTS
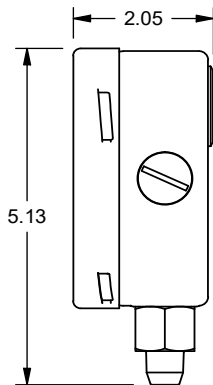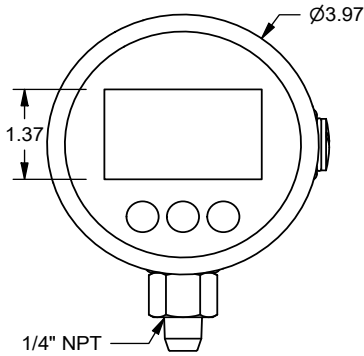
DIGITAL TEST GAUGE

DIAPHRAGM SEALS

HOW TO ORDER: Choose options to build a part number. For example: DT40S1A4P18-D-P-PB

DT	40	S	1	A	4	P18	-D	-P	-PB
MODEL	**DIAL SIZE**	**CASE**	**WETTED PARTS**	**CONNECTION**	**PROCESS CONNECTION**	**PRESSURE RANGE**	**CASE FILL**	**WINDOW**	**OPTIONS**
DT = Digital Test Gauge	**40** = 4" Size 2.3"x1.4" Display Window (0.55" Pressure reading text height)	**S** = Stainless Steel Case	**1** = 316SSL Sensor and Process Connection	**A** = Bottom	**4** = 1/4" MNPT (Standard) **2** = 1/2" MNPT	**P18** = See table below	**-D** = Dry Only	**-P** = Plastic (only)	**-PB** = Protective Boot **-42** = 4-20mA Output

Ø3.97

1.37

1/4" NPT

2.05

5.13

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

DIGITAL TEST GAUGE

```
----------------------
REV        1.0.7
SERIAL     193100834
MR LO      0.000
MR HI      20.800
```

SETUP
```
----------------------
* INFO
  UNIT
  EXTRA
  ZERO
  EXIT
```

MENU · UP MAX · DOWN MIN
DT40

```
UNIT
----------------------
  bar
* psi
  MPa
  kpcm2
  EXIT
```

```
UNIT
----------------------
  °C
* °F
  EXIT
```

SETUP UNIT
```
----------------------
* UNIT PRESSURE
  UNIT TEMPERATURE
  EXIT
```

MENU · UP MAX · DOWN MIN
DT40

```
MEASURE RATE
----------------------
  3s
```

```
STANDBY
----------------------
*10min
```

SETUP EXTRA
```
----------------------
* MEAS. RATE
  SOFT TP
  STANDBY
  RESOLUTION
  EXIT
```

MENU · UP MAX · DOWN MIN
DT40

```
SOFT TP
----------------------
*8
```

```
RESOLUTION
----------------------
  x.xx
```