

# PC-10K – Pressure Comparator/Calibrator



pressure products

## PC-10K

### Pressure Comparator/Calibrator

- Low cost
- Self contained
- Accuracy  $\pm 0.1\%$  F.S.
- 0–10,000 psi
- Ease of operation
- Water or oil operated
- **Options**
- Peak hold
- 4-20 mA output (loop powered)
- 0-2 VDC analog output
- External power
- Auto off

#### ■ Operational Description

##### Ideal for Pressure Gauge Calibration

The PSI-Tronix PC-10K is a self contained pressure generator that allows comparison of a known pressure as displayed on the 0.1% gauge to the display of the unknown gauge or other device attached to the calibrate port.

The PC-10K is capable of generating pressures up to 10,000 psi by rotating the three handled piston drive screw. A fine adjust is also provided even though exact pressures are not necessary when using the comparison method of calibration.

#### ■ Applications

The PC-10K provides a low cost, portable, easy to operate method of calibration and or pressure generation for the user of large quantities of analog gauges and pressure transducers that require periodic verification of their accuracy. The full scale is changeable depending on the range of the 0.1% digital gauge installed on the front or standard port. With the advent of ISO 9000 the requirement for a quick and reliable calibration method is met by the PC-10K.



# PC-10K – Pressure Comparator/Calibrator

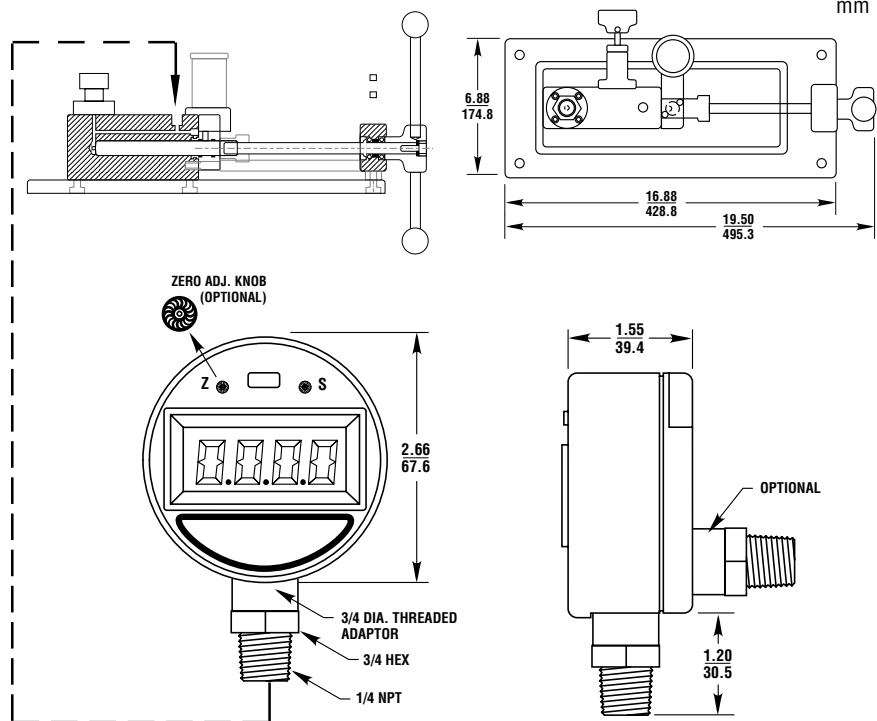
## ■ Comparator Specifications

PERFORMANCE	
Max Pressure:	10,000 psi/ 700 bar
Min Pressure:	5 psi/ 0.5 bar
Burst Pressure:	> 20,000 psi/ 1400 bar
MATERIALS	
Ram/Adaptors:	316SS
Body:	Aluminum
O-Rings:	Buna N/Nitrile
Test Media:	Water or oil
ACCESSORIES	
Adaptors:	1/4 and 1/2 NPT std.
Wrenches:	Included

## ■ Digital Pressure Gauge Specifications

PERFORMANCE	
Pressure Ranges:	0-20 to 10,000 psi
Accuracy:	± 0.1% F.S.
Compensated	
Temp. Range:	30 to 130°F
Thermal Z Shift:	±0.02% F.S./°F
Thermal S Shift:	±0.02% F.S./°F
Scale Units:	psi/bar/Kpa etc.
Battery Life:	1,500 hrs. (continuous on)
Auto Zero/Tare:	100% F.S.

## ■ Dimensions



## ■ Ordering Information

PC-10K - [ ] - [ ] - [ ] - [ ] - [ ]

Model Number	
Pressure Range	
	Please specify in psi
Pressure	
G	Gage pressure
Auto Off	
0	No auto off
1	16 minute
Knob	
0	No knob
1	"Z" knob
Peak Hold	
0	No peak hold
1	Peak hold
Output	
0	Battery operated
1	Analog output (0-2 V)
2	4-20 mA
4	External power (specify: voltage or with AC adapter)



### For the Latest Information

Try Our Fax Back System at **1/916/431-6544**

On the Internet: [www.stiautomationproducts.com](http://www.stiautomationproducts.com) E-mail: [sales@stiautomationproducts.com](mailto:sales@stiautomationproducts.com)

pressure products

