Pressure Module

for Universal Calibrator PCA-850

- One or two pressure ranges per module, simple or double pressure version.
- Gage, absolute, differential pressure and vacuum.
- Ranges between 0 - 250mmH_2O and 0 - 1000psi.
- High Accuracy (0.05% FS) and high thermal stability (0.005% FS / ºC).
- Several engineering units available to show pressure ranges.

Through PCA-850 the multicalibrator UCA-850 can measure pressure with high accuracy. Ideal to calibrate and adjust pressure instruments, such as: pressure and vacuum gages, pressure transmitters, strain gages, I/P converters, pressure switches, etc. PCA-850 uses piezoresistive pressure sensors which constitute the state-of-the-art in pressure measurement. The sensors construction in the solid state technology grants high reliability in the measurements.

Nonlinearity effects, hysteresis, thermal variations, etc., are minimized by the use of temperature compensation algorithms in pressure measurements. PCA-850 has also a mV input proper to calibrate strain gages.

Order Code

PCA-850 - □ - □ □ - □ - □ □ - □

Number of Inputs
S - single
D - double

RANGE Input 1	RESOLUTION	ACCURACY	REMARKS
01 - 0 -250 mmH_2O	0.001	0.1% FS*	Gage pressure
02 - 0 - 1psi	0.0001	0.1% FS	Used with air or
03 - 0 - 5psi	0.0001	0.1% FS	inert gases
04 - 0 - 15psi	0.0001	0.05% FS	Gage absolute or
05 - 0 - 30psi	0.0001	0.05% FS	differential pressure
06 - 0 - 100psi	0.001	0.05% FS	Used with air or
07 - 0 - 250psi	0.001	0.05% FS	inert gases
08 - 0 - 15psi	0.0001	0.05% FS	Gage or absolute
09 - 0 - 30psi	0.0001	0.05% FS	pressure
10 - 0 - 100psi	0.001	0.05% FS	Used with fluids
11 - 0 - 250psi	0.001	0.05% FS	(gases or liquids)
12 - 0 - 500psi	0.01	0.05% FS	compatible with
13 - 0 - 1000psi	0.01	0.05% FS	316 L stainless steel

(*) FS = Full Scale

Pressure Type Input 1
A - Absolute
G - Gauge
D - Differential
V - Vacuum (specify range 04 or 08)

RANGE Input 2 (Only for double version)
00 - Not used, or same code of input 1

Pressure Type Input 2 (Only for double version)
0 - Not used, or same code of input 1