



## P100 Process Pressure Calibrator available with Pneumatic or Hydraulic Hand Pumps

Combine Indicator/Manometer with suitable Hand Held Pumps

Ideal for Pneumatic Vacuum & Pressure Generation

Also Ideal for Hydraulic Pressure Generation

- Accuracy:  $\pm 0.20\%$  of Full Scale  
or:  $\pm 0.05\%$  of Full Scale
- Pneumatic Ranges: Vacuum to 2, 10, 25, 35, & 40 bar
- Hydraulic Ranges: up to 1,000 Bar
- Fine adjustment Vernier
- Peak function (Positive & Negative) and Programmable Digital Filter
- Swivel Adapter to interconnect indicator and Pump
- Pressure Release Valve
- Easy grip handle spring loaded, scissor action
- Internal batteries - 1 year autonomy without recharge
- LCD display with selectable engineering pressure units in: inH<sub>2</sub>O, Bar, Mpa, Kpa, Psi, & mbar
- NIST Calibration Certification Included



P100 Calibrator



P100 Calibrator with Hand Held Pump

Accurate

Easy to use

Efficient

Fine Adjustment

Hand Held

Heavy Duty

Reliable

Sturdy



**E Instruments International**

**www.E-Inst.com**

P:215-750-1212 F:215-750-1399 A: 172 Middletown Blvd, Ste B201 Langhorne, PA 19047



# P100 Process Pressure Calibrator & Hand Held Pumps

## P100 Gauge & Hand Pumps

The P100 gauge & Hand Held Pumps is a source that offers pressure calibration in an easy to use design with ranges up to 1,000 Bar

### Optional Set of Adaptors

Up to 4 x BSP or 4 x NPT Adaptors

### Optional Carrying Case

\* Pump Only, or Pump, Hose, & Adaptors \*

**Accuracy:** ± 0.20% of F.S.  
or: ± 0.05% of F.S.



## Applications

The P100 gauge & Hand Held Pumps combine pressure generation into one unit, that is able to display engineering units in bar, Mpa, Kpa, Psi, & mbar.

### Pneumatic Ranges:

-0.85 to 2, 10, 25, 35, & 40 bar

### Hydraulic Ranges:

Up to 1,000 Bar (15,000 PSI)

### Fine Adjustment:

Vernier

## P100 Gauge & Hand Held Pump Specifications

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>Range:</b>            | Up to 1,000 Bar                                     | * Specifications subject to change * |
| <b>Type:</b>             | Easy grip handle, spring loaded, scissor action     |                                      |
| <b>Accuracy:</b>         | ±0.20% of Full Scale or<br>±0.05% of Full Scale     |                                      |
| <b>Medium:</b>           | Air   |                                      |
| <b>Stroke Adjustmt:</b>  | Spring loaded lock nut                              |                                      |
| <b>Connection:</b>       | 3/8" BSP (F) to fit Master Indicator                |                                      |
| <b>Test Instr. Port:</b> | Hose with 1/4" BSP (F)                              |                                      |
| <b>Peak function:</b>    | Positive, Negative, & Programable Digital Filter    |                                      |
| <b>Battery:</b>          | Internal batteries 1 year autonomy without recharge |                                      |

### Hand Held Pump Adaptors

NPT-1 - Set of 4 NPT adaptors

1/4" BSP (M) to 1/8" NPT (F)

1/4" BSP (M) to 3/8" NPT (F)

1/4" BSP (M) to 1/2" NPT (F)

1/4" BSP (M) to 1/4" NPT (F)

BSP-1 - Set of 4 BSP adaptors

1/4" BSP (M) to 1/8" BSP parallel female

1/4" BSP (M) to 3/8" BSP parallel female

1/4" BSP (M) to 1/2" BSP parallel female

3/8" BSP (F) to 1/4" BSP (F)

BSP-18F-M20F - 1/8" BSP (F) to M20x1.5 (F)

BSP-38F-14F - 3/8" BSP (F) parallel x 1/4" (F)

BSP-TA14M-4F - Thread Adapter: 1/4" BSP (M) to 4mm (F)

## Model No. Ordering Information

**3214A** P100 ±0.20% F.S. Process Pressure Calibrator, P100 Calibrator manual, & NIST Calibration Certificate

**3214B** P100 ±0.05% F.S. Process Pressure Calibrator, P100 Calibrator manual, & NIST Calibration Certificate

- 0 P100 Gauge & PHP 2 bar pump
- 1 P100 Gauge & PHP 10 bar pump
- 2 P100 Gauge & PHP 25 bar pump
- 3 P100 Gauge & PHP 35 bar pump
- 4 P100 Gauge & PHP 40 bar pump

- 5 P100 Gauge & HHP 200 bar pump
- 6 P100 Gauge & HHP 350 bar pump
- 7 P100 Gauge & HHP 700 bar pump
- 8 P100 Gauge & HHP 1,000 bar pump

### P100 & Hand Held Pump Accessories

PHP-CC-P1 - P100 & P2 Pump only Carrying Case

PHP-CC-P2 - P100 & P10/25/35/40 Pump/Carrying Case

HHP-H1-CC - P100 & HHP 200/300 Pump/Carrying Case

HHP-H2-CC - P100 & HHP 700 /1000 Pump/Carrying Case

PHP-CC-P3A - P100 & P2 Pump, hose, & set of adaptors carrying case

PHP-CC-P4A - P100 & P10/25/35/40 Pump, hose, & set of adaptors carrying case

HHP-H1A-CC - P100 & HHP 200/350 Pump, & Adaptors with Carrying Case

HHP-H2A-CC - P100 & HHP 700/1000 Pump, & Adaptors with Carrying Case

HH-700B-1 - 700 Bar High Pressure Hydraulic Hose

HH-1000B-1 - 1000 Bar High Pressure Hydraulic Hose

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