



## 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: Bar, Mpa, Kpa, Psi, & mbar
- 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:**  
-.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 ±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, & Calibration Certificate
- 3214B** P100 ±0.05% F.S. Process Pressure Calibrator, P100 Calibrator manual, & 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