

**Pressure**

**Nagman Smart  
Pressure Calibrator**

**Bench-top / Panel Mounted Model**

*Ideal Lab / Site Tool for checking & Calibration of Hydraulic Pressure / Differential Pressure Gauges / Switches / Transmitters / Loops etc.*

**Hydraulic Pressure Calibrator**

**Model**

**MPC-H-B+**

- Ranges : 0 to 70 / 100 / 200 / 400 / 600 / 700 Bar
- Accuracy :  $\pm 0.025\%$  F.S.
- Automatic Temperature Compensation (0 to 50°C)
- Advanced Technology
- Light Weight / Compact
- Trendy, Elegant Case – Truly Portable – Lab / Site use
- Resolution : Minimum 5 digits
- Large Graphic Display
- Touch Membrane Keypad
- Selectable Engineering Pressure Units
- DC Current Measurement :  
50 mA (Active Loop) & 25 mA (Passive Loop)
- Switch Test capability & Zero Offset facility
- Audio & Visual Alarms for Over Pressure
- Pressure Transducer – all Media compatible with SS316
- Matching External Hydraulic Hand Pump
- **Panel Mounted Model** with External Pressure Module(s) (EPM) – Refer specifications inside...



**Specifications****MPC-H-B+****Ranges**

0 to 70 / 100 / 200 / 350 / 600 / 700 Bar

**Accuracy** $\pm 0.025\%$  F.S.**Temperature Compensation**

0 to 50°C (Automatic)

**Resolution**

Minimum 5 digits

**Display**

Graphic

**Engineering Units**Kg/cm<sup>2</sup>, Bar, mBar, PSI, mH<sub>2</sub>O, mmH<sub>2</sub>O, cmH<sub>2</sub>O, inH<sub>2</sub>O, ftH<sub>2</sub>O, mmHg, inHg, Atm, Mpa, Kpa, Pa**mA Input**50 mA (Active Loop) & 25 mA (Passive Loop)  
Load Resistance : 800  $\Omega$ **Volt Input**

0 to 30V DC

**Resolution (mA / V)**

0.001

**Pressure Switch Test**

Maximum 5 VDC

**Instrument Casing**

Trendy, Elegant Case – Truly Portable

**Over Pressure Alarm**

120% FS (Audio / Visual)

**Pressure generation**

Matching External Hydraulic Hand Pump with Fine Adjustment Vernier &amp; Release Valve

**Battery**

Rechargeable Battery &amp; Charger

**Low Battery Indication**

Provided

**Instrument Dimension**

260 x 130 x 105 (L x B x H)

**Weight**

1.5 Kg

**STANDARD DELIVERY**

- Pressure Indicator with matching Hand Pump
- Set of Adaptors (BSP & NPT)
- Test Leads & Seals Kit
- Hose with End Fitting
- External Battery Charger
- RS-232 Computer Interface
- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025:2005 Laboratory
- Instruction Manual

**OPTIONALS**

- "Calpress" Calibration Software

**Panel Mounted Model with External Pressure Module(s)***Internal Sensor Ranges & Other Specifications (as in Bench-top Models)*

EPM Ranges    Pneumatic    -0.85 to 2 / 7 / 10 / 20 / 35 / 40 Bar  
                      Hydraulic      0 to 70 / 100 / 200 / 400 / 600 / 700 Bar

EPMs            2 / 3 / 4

Accuracies     $\pm 0.05\%$  F.S. /  $\pm 0.025\%$  F.S.

Mounting      Panel Mounted (19" Rack Size)

Dimensions    350 x 185 x 178 mm (L x B x H) - *Typical for 3 EPMs*

Product of

**Nagman Instruments & Electronics (P) Ltd.**

- **Comprehensive Calibration Solutions** (Standards / Systems / Packages / Software / Services)  
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Specifications subject to change owing to continuous development

