

**Digital Manometer is a portable hand-held type Digital Pressure Indicator, suitable for accurate field testing and calibration of process pressure.**

**Application: Ideal for calibration of gauge and differential pressure.**

## FEATURES

**MEASUREMENTS:** Electrical measurements of mA & Volts. Peak pressure measurements (High & Low peak). **PRESSURE SWITCH TEST FACILITY:** Opening and closing pressures are easily identified by display hold while opening and closing contact. **DISPLAY:** Large backlit alpha numeric display with 2 lines (one line Pressure and second line for electrical measurement). 'Auto OFF' function for longer battery life. **KEYPAD:** Feather Touch keypad for easy operation. Dedicated ZERO key for Zeroing before test.

## ADVANCE FEATURES

Small and compact in size. Fits easily inside the palm of hand. User friendly and easy to carry as it is light weight. Robust and weatherproof - best for field work.

Over Pressure Alarm	: 20% of Full Scale
Pressure Media	: Air / All non-corrosive gases
<b>Current Terminal Input</b>	
Protection	: Fuse: 100 mA / 250 V
Display	: Alpha Numeric Display
Backlight	: LED Backlight
Power Supply	: Li-ion Rechargeable Battery
Low Battery Indicator	: Yes
Auto Power Off	: 15 minutes
Battery Backup	: 20 hours
Pressure Connection	: 1/8" BSP Female
Operating Temperature	: 10 to 50°C
Instrument Casing	: ABS Plastic (protects from dirt)
Instrument Dimensions	: 110 mm x 200 mm x 60 / 35 mm (LxWxD)
Instrument Weight	: 550 gms



## SPECIFICATION

Model	Range* (mm H <sub>2</sub> O)	Resolution (mm H <sub>2</sub> O)	Accuracy (% F.S.)	Pressure Units
250	0 to 250	0.01	±0.15	bar, mmH <sub>2</sub> O, Psi,
500	0 to 500	0.01	±0.15	kg/cm <sup>2</sup> , Kpa, Mpa,
1000	0 to 1000	0.1	±0.05	mmHg, atm, mH <sub>2</sub> O,
2000	0 to 2000	0.1	±0.05	inHg, inH <sub>2</sub> O, ftH <sub>2</sub> O,
5000	0 to 5000	0.1	±0.05	cmH <sub>2</sub> O, Pa, mbar,
10000	0 to 10000	1	±0.025	torr, hpa, kg/m <sup>2</sup> ,
2	0 to 2 bar	1	±0.05	cmHg, lb/ft <sup>2</sup> , cmHg

\*Contact us for other ranges.

## MEASUREMENTS

Facility	Range	Resolution	Accuracy
mA	0 to 25 mA	0.001 mA	±0.025% of Reading + 3 μA
Volts	0 to 30 V	0.001 V	±0.025% of Reading + 3 mV

Accuracy specifications include effect of non-linearity, hysteresis and repeatability at 23±5°C.

Manufacturer of  
**TEST BENCHES**  
CALIBRATION INSTRUMENTS

**ISO 9001**  
Certified Company

**ACCREDITED CALIBRATION LABORATORY**

As per ISO / IEC 17025

**THERMAL**  
**MECHANICAL**  
**ELECTROTECHNICAL**



# Screw Pump

AES DMSP2021 SERIES

The calibration hand pump is a low air pressure source with the ability to easily adjust and stabilise.

The hand pump possesses a pressure range of vacuum (0.5 bar) to Pressure (1 Bar) uses air as the media, and can adjust the pressure easily.

The pump is fitted with 1/2 mtr 4 mm Nylon Hose with end connection 1/4" BSP (F). Other end fitted with 1/2 mtr 4 mm Nylon Hose with end connection 1/8" BSP (M).

The Pump is used for calibrating pressure transducers, precision pressure gauges along with standard or master indicators.



### Technical Specification

Media: Air

Generated Pressure Range: 0.5 Bar vacuum to (1 bar) positive pressure

### Standard Delivery

- Screw Pump
- User's Manual