

DATA SHEET

Ref. 4644014000

DIGITAL MANIFOLD PRO FOR REFRIGERANT GASES

DESCRIPTION

This digital manifold adopts intelligent chips, high precision pressure and temperature sensors. Its high-resolution LCD display can show actual temperature, subcooling, superheat and vacuum. The chips and sensors are programmed with data of 88 refrigerant pressures and saturation temperatures, taken from the latest NIST database, which can measure subcooling and superheat with high accuracy and help you analyze the amount of refrigerant usage.

CHARACTERISTICS

- 2-way aluminium alloy analyzer with diaphragm design.
- Sensors: Two pressure sensors and two temperature sensors.
- Refrigerant viewfinder of liquid
- Temperature reader through clamps with built-in probe.
- Depression valve at service connection.
- "ZERO" button to reset values.
- Possibility to switch between refrigerant pressure and vacuum.
- Vacuum measurement, also with percentage reading.
- Long battery life (approx. 30 hours).
- Low battery indicator.
- Actual temperature, subcooling, superheat and vacuum readings.
- High-resolution LCD display with backlit backlight.
- Low voltage DC 6V design.
- Device power: 6V (1.5V x AA battery x 4 pcs.).
- Automatic shutdown of the equipment: 15 minutes.
- 360° swivel hook

PRESENTATION

Presented in a practical reinforced plastic case for ease of use, transport, and storage. Clip locks and ergonomic folding handle included.

THE CASE CONTAINS:

- 2-way digital manifold
- 2 clamps with probe to perform tube temperature measurements.
- 2 adapters 1/4 SAE male to 5/16 SAE female.
- 1/4 SAE F-F 1500mm charging hose set.
- 4 x 1,5V AA battery as power supply for screen.

SPECIFICATIONS

- Pressure units: kPa, inHg, kgf/cm², psi and Bar.
- Vacuum units: Torr, mmHg, and %.
- Temperature units: °F and °C.
- Pressure measuring ranges:
 - ⇒ Vacuum: -101 kPa to 0 kPa
 - ⇒ Test pressure: 0 MPa to 6MPa
 - ⇒ Refrigerant pressure : 0 MPa to 4MPa
- Pressure sensors resolution: 1 kPa.
- Pressure sensors accuracy: ±5%
- Overload limit: 100 Bar (10 MPa).
- Pressure measurement: real-time (real pressure).
- Operation temperature: -20°C to +60°C
- Temperature measuring range:
 - ⇒ from -50°C to +150°C
 - ⇒ from -58°F to +302°F
- Temperature accuracy:
 - ⇒ <50°C ±0,1°C
 - ⇒ >50 <100°C ±0,2°C
 - ⇒ >100°C ±1,0°C



It is strongly recommended to read the instruction manual of this product before purchase and especially before use. Furthermore, this product is recommended for use by qualified professionals only.