



**Smart Solution for HVACR Industry
More Efficient And Powerful**



Vacuum Pump



**Refrigerant
Recovery Unit**



Charging Scale



Vacuum Gauge



Leak Detector



**Digital Manifold
Gauge**



**Manifold+Micron
Gauge**



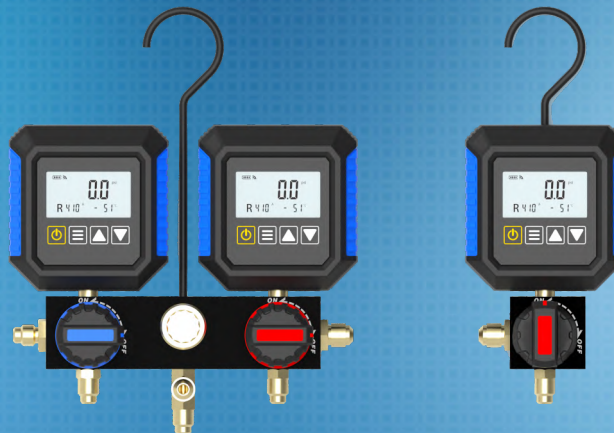
**Battery Flaring
Tool**

AITCOOL

Digital Manifold Gauge

OPERATING MANUAL

DMG-1&2



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Digital Manifold Gauge

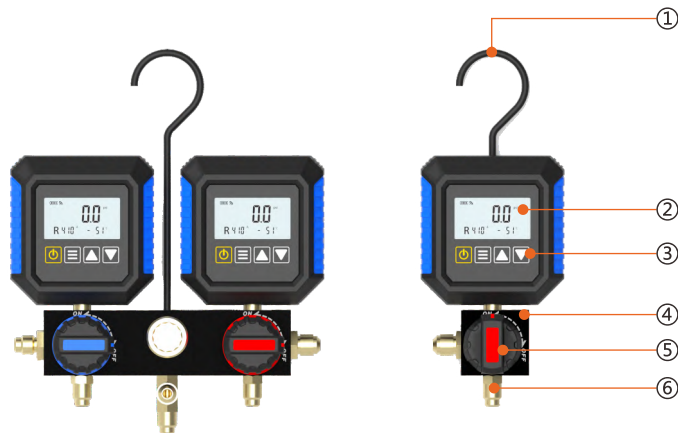
Overview





This product adopts analog signal pressure sensor, can prevent the sensor from oil pollution, impurity gas, obtain the best refrigerant filling state , monitor the refrigerant pressure in real time, control the filling and recovery of the refrigerant.

Operation Instructions



- 1.Measure the vacuum according to instruction and within the scope of the parameters specified in manual.
- 2. Do not clean this instrument with corrosive detergent or solvent,
- 3. Wear goggles and protective gloves.
- 4. Tighten the copper and store it in dry place.
- 5.Do not operation in non-atmospheric environment(The value is inaccurate in refrigerant or other gas environment, it will resume normal after place in atmospheric environment for 24 hours)
- 6.Do not operation in wet environment.

Product Description











①	Hook
②	Display screen (pressure, unit, power, temperature).
③	POWER BUTTON:  Power on and off; Backlight switch. MENU BUTTON:  State select, unit switch. UP, DOWN BUTTON:   Unit switch.
④	VALVE BODY.
⑤	Knob switch.
⑥	7/16"-20UNF (1/4"SAE).

Technical Specification

Maximum overload pressure	50bar
Range	Low pressure: -30inhg-38bar High pressure: 0-38bar
Operating temperature	0-50°C (32-122°F)
Unit	bar, psi, Mpa, Kpa, kgf/cm², inHg
Refrigerants	R12, R123, R1234yf, R124, R125, R134, R141B, R22, R23, R290, R32, R401A, R401B, R402A, R402B, R404A, R406A, R407A, R407B, R407C, R408A, R409A, R410A, R448A, R452A, R500, R502, R507, R507A
Connections	7/16"-20UNF (1/4"SAE)
Battery	1pieces 9 Vbattery (standby time:40 hours)
Battery life indicator	 Segment indicate state of charge. Each segment indicate 25% power.  Out of power.
Applicable environment	Atmospheric environment

Basic Operations

1. Press power button, display screen turn on, wait display screen value to 0, then press again, backlight turn on.
2. Press menu button , pressure value unit flashing, press  or  button to switch available unit, then press menu button , temperature switch flashing,  or  button to switch different temperature unit. Then press menu button , to switch refrigerants model, press menu button again , about dozens of refrigerants model. According to switch of refrigerants model, it is convenient and accurate to control the filling of the corresponding model of refrigerant.
3. Long press power button, the value of display screen disappear, and turn off.

Attachment

Product, battery, operation manual.

Possible Faults and Troubleshooting.

Fault	Troubleshooting
Failed to power on	Power off, replace battery
Inaccurate pressure	Check whether the joint is tight to ensure no leakage. Zero setting calibration.
Have vacuum value after turn on	Please arrange Full-scale calibration in atmospheric environment. Press Power button, waiting value fixed(Non-return to zero), press power button and down button, waiting 2 seconds, display screen show L-0, then press button twice, show end, the display screen re-display.