



DMG-1

DMG-1B

Overview

DMG-1 series are digital pressure gauges designed for refrigeration systems maintenance during evacuation, refrigerant charging, etc. The gauges feature a high-precision pressure sensor that gives accurate and reliable measurement. Their digital LCD display screen gives instant and intuitive indication on refrigerant's relative saturation and evaporating temperature. They also have auto off, unit switch, over-range alarm and other functions.

Specifications

Pressure Range	Low Pressure Gauge: -14.5~500psi High Pressure Gauge: -14.5~800psi
Resolution	0.5psi
Accuracy	±0.5%FS
Pressure Units	MPa, kPa, bar, psi, kg/cm ² , cmHg
Temperature Unit	°C / °F
Sampling Rate	1s
Operating Temperature	-10°C~60°C
Over Range Alarm	Displays —OL—
Low Battery Indication	
Battery	CR2450
Battery Life	6 months

Safety Precautions

The gauges are for technical professionals only.

- △ Do not contact the gauges with harmful or corrosive liquid, especially ammonia refrigerant.
- △ Never face the fittings directly to human body because the remaining refrigerant in the gauges and hoses may cause injury.
- △ Wear protective clothing, protective gloves and safety goggles when working with refrigerants, which can cause cold injury, etc. Disconnect hoses with extreme caution.
- △ Do not inhale refrigerant vapor, lubricant and oil mist. Inhalation of refrigerant with high concentration may cause arrhythmia, anesthesia or even death by suffocation.
- △ If your eyes are in direct contact with the refrigerant, rinse immediately with water and see a doctor.

Buttons

ON/OFF

ON: Press button and the gauge will display current pressure.
OFF: Press button for 3 seconds to turn off the gauge.

Backlight

When the gauge is on, press button to turn on the backlight. It will be automatically off after 6 seconds of inactivity.

Max/Min Value

Press button to display MAX symbol and value. Press it again for 3 seconds to clear current Max value.
Press button to display MIN symbol and value. Press it again for 3 seconds to clear current Min value.

Zero

Press and hold button until 8888 shows on the screen, then release to clear current value to 0.

Note: Please hold button to zero the gauge before connecting it the system.

Auto OFF

Hold and until ON flashes on the screen to enable Auto OFF function. The gauge will be automatically off after 15 minutes of inactivity and pressure remains unchanged.
Hold and until OFF flashes on the screen to disable Auto OFF function.

Settings

- Switch Refrigerant: Press and hold button until R flashes on the screen, then use or to switch between refrigerant types.
- Switch temperature unit: Press and hold button until R flashes on the screen, then press once to switch between temperature units. Use or to switch between °C and °F.
- Switch pressure unit: Press and hold button until R flashes on the screen, then press twice to switch between pressure units. Use or button to select your desired unit. Press button again to exit setting status.

Note: The gauge will exit setting status after 15 seconds of inactivity.