

**NOW COMPATIBLE WITH R744 (CO<sub>2</sub>)  
SENSORS ABLE TO WITHSTAND  
PRESSURE UP TO 750 PSI (50 BAR)**



78 PSI		R 11	290 PSI	
Low	19°F	Low	137°F	High
Superheat	4.9°F			
Subcool	14.1°F			

**SUPERHEAT & SUBCOOL CALCULATIONS**  
Clamp-on thermocouple provides fast and accurate  
superheat and subcool readings.



VACUUM	
20	MICRONS

**PRECISE VACUUM READINGS**  
Vacuum thermocouple sensor provides  
accurate vacuum readings.

Mastercool's 2-Way Digital Manifold is the most advanced and user friendly Digital Manifold on the market today! This manifold offers a large easy to read LCD that displays Pressures, Saturated Temperatures, Actual Temperatures, Superheat and Subcooling Temperatures for over 60 refrigerants. When used with the clamp-on thermocouple connector it will display the actual temperature and automatically calculate the superheat or subcool temperature. When the vacuum sensor cable is attached to the manifold it will display deep vacuum. To insure lasting performance and durability the manifold case is constructed of ABS material and protected by a rugged rubber boot. The technician now has a fully functional manifold with the intelligence to quickly access and deliver the accurate information needed to do the job right!

**INCLUDES 66 REFRIGERANTS:**

R11, R12, R13, R21, R22, R23, R32, R113, R114, R115, R116, R123, R124, R125, R134, R134a, R141B, R142B, R143, R143A, R152A, R176, R218, R290, R401A, R401B, R401C, R402A, R402B, R403A, R403B, R404A, R405A, R406A, R407A, R407B, R407C, R407D, R407F, R408A, R409A, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R417A (SCEON M059), R422A (SCEON M079), R422D (SCEON M029), R427A (FX100), R501, R502, R503, R504, R507A, R508B, R509A, R600, R600A, R601, R601A, R744, R1270

**SPECIFICATIONS:**

- Class 1.0 standard gauge reading
- Pressure Display: PSI, IN-Hg, Bar, MPa, Kg/cm<sup>2</sup>
- Temperature Display: °F or °C
- Deep Vacuum Display: Micron, mBar, kPa, Pa, Torr, mmHg
- Sensing Resolution: 1 psi (.07 Bar, .007 MPa, .07 Kg/cm<sup>2</sup>)
- Sensing Accuracy: ±1 psi or 1% of reading (whichever is greater)
- Working Pressure: 0 to 750 psi (52 Bar, 5 MPa, 52 Kg/cm<sup>2</sup>) (does not display 0-5 psi)
- Proof Pressure: 1000 psi (70 Bar, 7 MPa, 70 Kg/cm<sup>2</sup>) (Tolerable pressure without internal damage)
- Refrigerant Temperature Range: -40 to 200°F (-40 to 93°C)
- Operating Temperature: 32 to 122°F (0 to 45°C)
- Temperature Accuracy: ±1°F (±0.5°C) between 32 to 160°F (0 to 71°C)
- Storage Temperature: 10 to 120°F (-12 to 49°C)
- Connections: 1/4" M-Flare
- Power: 9V DC battery with optional AC/DC adapter
- Battery Life: 30-36 hours pressure and temperature mode only (continuous use)  
25-30 hours vacuum and backlight mode (continuous use)
- Auto-Off: 15 min. with disabling capability



**Mastercool®**  
"World Class Quality"