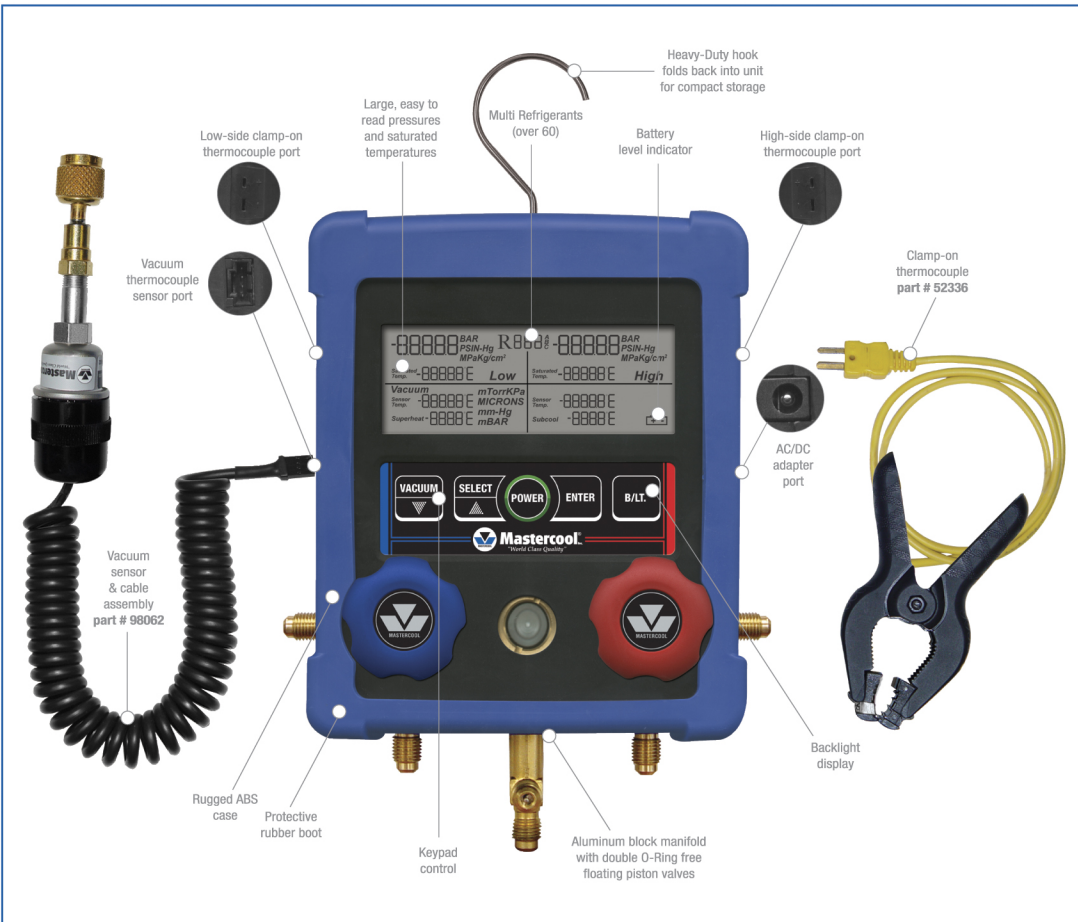




**Mastercool<sup>®</sup> Inc.**  
"World Class Quality"

1 ASPEN DRIVE, RANDOLPH, NJ 07869  
PHONE: 973-252-9119 / FAX: 973-252-2455  
WEB: WWW.MASTERCOOL.COM

## HVAC DIGITAL MANIFOLD



### SPECIFICATIONS:

- Class 1.0 standard gauge reading
- Pressure Display: PSI, INHg, Bar, MPa, Kg/cm<sup>2</sup>
- Temperature Display: °F or °C
- Deep Vacuum Display: Micron, mBar, KPa, Pa, Torr, mTorr, 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 introduces 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 63 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, R408A, R409A, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R417A (ISCEON M059), R422A (ISCEON M079), R422D (ISCEON M029), R427A (FX100), R501, R502, R503, R504, R507A, R508B, R509A, R600, R600A, R601, R601A

- 99103-A** Manifold only  
**99103-A-2** Manifold with 2 clamp-on thermocouples  
**99661-A** Complete Kit in a blow molded case includes: manifold w/ a set of 3-60" hoses, vacuum sensor w/ cable, & clamp-on thermocouple  
**99772-A** Complete Kit in a blow molded case includes: manifold w/ a set of 3-72" hoses, vacuum sensor w/ cable, & clamp-on thermocouple  
**99661-A-EU** Complete Kit in a blow molded case includes: manifold with a set of 3-150cm ball valve hoses with manual shut-off valves, vacuum sensor with cable, clamp-on thermocouple and 2-straight adapter fittings (90413)  
**99663-EU** Same as 99661-EU less vacuum sensor with cable



- 52336** Clamp-on Thermocouple  
**98062** Vacuum Sensor & Cable Assembly  
**99333** 1/4 FL-M x 1/4 FL-M x 1/4 FL-F Tee  
**99334-110** 110V AC/DC Adapter  
**99334-220** 220V AC/DC Adapter