

Intelligent



Digital



Fieldpiece Sman4



Testo 570



Digi-Cool AK-900



Hilmor 1839105



Yellow Jacket

Displays Digitally	✓	✓	✓	✓	✓
Calculate Superheat & Subcooling	✓	✓	✓	✓	✓
4 Valve with 3/8" Vacuum	✓	✓	✓	✓	✓
Calculates Target Superheat for Fixed M/D	✓	✓			
Wireless Probe Expandability	✓	✓			
System Performance Calculations	✓				
Troubleshooting	✓				
Instant Email Reporting	✓				
Remote View of Gauge Set (up to 200 feet)	✓				
User Customization	✓				
Graphical Display (auto-scaling)	✓				✓
Selectable Sampling Rate	✓		✓		
Wireless Field Updatable Firmware & Software	✓				
4 Wired Temperature Measurements	✓				
USB Power Source (for extended use)	✓				
Diaphragm Valve Manifold	✓				
High Accuracy NTC Thermistors	✓		✓	✓	
Made in USA	✓				✓



Feature	Description
Displays Digitally	Pressures and temperatures are displayed accurately with 1 decimal place.
Calculate Superheat & Subcooling	Calculates superheat & subcooling when appropriate temperature and pressure values are input.
4 Valve with 3/8" Vacuum	Standard 4 valve manifold with a 3/8" Vacuum port.
Calculates Target Superheat for Fixed M/D	The iManifold™ device calculates superheat for fixed metering device systems.
Wireless Probe Expandability	The iManifold has the ability to accept up to 12 wireless probes that use zigbee communication.
System Performance Calculations	The iManifold App performs a series of performance calculations relating to system capacity, evaporator performance, system electrical efficiency, dehumidification. (See Sample Report)
Troubleshooting	The iManifold App can assist technicians with diagnosing problems, providing alerts and suggested remedies to common system issues.
Instant Email Reporting	The iManifold App sends a free report to your email that includes a summary of system measurements, system information and system performance.
Remote View of Gauge Set (up to 200 feet)	The gauge set is displayed on your smart device. This allows the technician to be up to 200 feet or more (depending upon wall thickness) away from the iManifold and still view the readings. This feature saves the technician valuable time and effectively allows him to be in 2 places at one time.
User Customization	The iManifold app allows the technician to customize the application for frequently used refrigerants and system profiles.
Full Color Graphical Display	The iManifold app uses a full color graphical display that mirrors a traditional gauge set. Unlike other manifolds that only use an LCD digital display, the iManifold App will auto scale depending upon the refrigerant being used and display visual targets for pressure and temperature.
Selectable Sampling Rate	The iManifold app allows the technician to choose between a longer battery life or a higher sampling rate. Options include 2 times per second, 1 time per second or 1 time every 2 seconds.
Wireless Field Updatable Firmware & Software	The iManifold and app can be updated whenever the technician updates the app from the app store.
4 Wired Temperature Measurements	The iManifold has more wired temperature ports (4) than any other manifold currently on the market. This allows for temperature inputs from the liquid line, suction line, discharge line and outdoor air providing higher grade diagnostics.
USB Power Source (for extended use)	The iManifold can accept a USB power supply as an alternate to battery power. This allows the iManifold to remain in service overnight or over an extended period of time.
Diaphragm Valve Manifold	The only manifold to use a diaphragm valve. The diaphragm valve is a time tested and reliable valve design providing for a deeper vacuum.
High Accuracy NTC Thermistors	NTC Thermistors are the most accurate thermistors being used in today's electronic manifolds.
Made in USA	The best place to make anything!



www.iManifold.com

Designed and Manufactured in the USA
with US & globally sourced components
©2014 Stride Tool Inc. All rights reserved.

