

## Intelligent



## Digital



Fieldpiece  
SMAN4

Testo  
570

Testo 550  
w/Bluetooth

Sporlan SMART  
Service Tool Kit

Yellow Jacket  
ManTooth

Displays Digitally	✓	✓	✓	✓	✓	✓
Calculates 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 with Performance Data	✓					
Remote Sharing of Data via Tech Connect	✓					
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	✓		✓	✓	✓	✓
Designed and Assembled in USA	✓					✓

Just because it has an app  
doesn't mean it's a smart tool



Feature	Description
<b>Displays Digitally</b>	Pressures and temperatures are displayed accurately with 1 decimal place.
<b>Calculate Superheat &amp; Subcooling</b>	Calculates superheat & subcooling when appropriate temperature and pressure values are input.
<b>4 Valve with 3/8" Vacuum</b>	Standard 4 valve manifold with a 3/8" Vacuum port.
<b>Calculates Target Superheat for Fixed M/D</b>	The iManifold™ device calculates superheat for fixed metering device systems.
<b>Wireless Probe Expandability</b>	The iManifold has the ability to accept up to 12 wireless probes that use zigbee communication.
<b>System Performance Calculations</b>	The iManifold App performs a series of performance calculations relating to system capacity, evaporator performance, system electrical efficiency, dehumidification. (See Sample Report)
<b>Troubleshooting</b>	The iManifold App can assist technicians with diagnosing problems, providing alerts and suggested remedies to common system issues.
<b>Instant Email Reporting with Performance Data</b>	The iManifold App sends a free report to your email that includes a summary of system measurements, system information and system performance.
<b>Remote View of Data via Tech Connect</b>	Use the iManifold with Tech Connect (with iManifold Cloud) and see a live version of what your technicians are seeing in the field on your smart phone or tablet from anywhere in the world that you have Internet access. You can also communicate by voice, video, text or chat through a variety of services including Skype, Apple FaceTime and more with the technician on the job.
<b>User Customization</b>	The iManifold app allows the technician to customize the application for frequently used refrigerants and system profiles.
<b>Full Color Graphical Display</b>	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.
<b>Selectable Sampling Rate</b>	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.
<b>Wireless Field Updatable Firmware &amp; Software</b>	The iManifold and app can be updated whenever the technician updates the app from the app store.
<b>4 Wired Temperature Measurements</b>	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.
<b>USB Power Source (for extended use)</b>	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.
<b>Diaphragm Valve Manifold</b>	The only manifold to use a diaphragm valve. The diaphragm valve is a time tested and reliable valve design providing for a deeper vacuum.
<b>High Accuracy NTC Thermistors</b>	NTC Thermistors are the most accurate thermistors being used in today's electronic manifolds.
<b>Designed and Assembled in USA</b>	The best place to make anything!



[www.iManifold.com](http://www.iManifold.com)

Designed and assembled in the USA  
 using domestic and imported parts.  
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