

UNIWELD SMARTeCH

Wireless Digital Manifold



SMARTeCH WIRELESS DIGITAL MANIFOLD

PART# USMAN5

INCLUDES: (1) Blue and (1) Red Temperature Clamp K-Type with 6 Ft. Lead, (2) Thermocouple Bead Probes, (1) Red 5 Ft. EZ Turn Hose, (1) Blue 5 Ft. EZ Turn Hose with 1/4" Male Flare "T" Fitting, (1) 5 FT. Fast-Flow® Black 3/8" Vacuum and Charging Hose with Ball Valve, (1) Adaptor 3/8"MF x 1/4"FF, SmartTech™ Protective Padded Case, (6) AA Batteries and (10) 5" Velcro Cable Tie Straps.

US & International Patents Pending.



REPLACEMENT PARTS

- USTCK** Temperature Clamp K-Type with 6 Ft. Lead and (5) 5" Velcro Cable Tie Straps.
- USTBP** Thermocouple Bead Probe
- EZ5R** 5 Ft. EZ Turn Anti-Blowback Hose, Red
- EZ5BT** 5 Ft. EZ Turn Anti-Blowback Hose with EZ Access "T" Fitting™, Blue
- HD5BV** 5 FT. Fast-Flow® Black 3/8" Vacuum and Charging Hose with Ball Valve
- A3814A** Adaptor 3/8"MF x 1/4"FF
- USVS5** 5" Velcro Cable Tie Strap (Pkg. of 5)

UNIWELD SMARTeCH™

Wireless Digital Manifold

Isn't it time to give your brain a rest?
Work smarter with Uniweld's SmartTech
Wireless Digital Manifold...

Unexpectedly More!



Smartphone pictured not included

For more information about the amazing Wireless Smartech Manifold Please Scan QR code with Smart Phone or visit us at www.uniweld.com



**Part#
USMAN5**



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UNIWELD SMARTeCH™

Wireless Digital Manifold

FEATURES

- Measures High and Low Side Pressure and Temperature
- SmarTech App (Free Download) for compatible iOS and Android smart devices*
- Superheat and Subcool Automatically calculated in real time by the SmarTech App
- Smart Charge Zone™ - Color coded differential for accurate "In the Zone" system charge
- Wirelessly connects to BLE or Bluetooth® 4.0 compatible smart device.
- Export a SmarTech Verified Report and email system performance data as a PDF or CSV file
- Protective Rubber Boot and easy access double zipper padded case with storage pockets
- 109 NIST Refrigerant Profiles included; SmarTech App upgradeable with free updates

R-11, R-12, R-13, R-21, R-22, R-23, R-32, R-41, R-113, R-114, R-115, R-116, R-123, R-124, R-125, R-134a, R-141B, R-142B, R-143A, R-152A, R-218, R-227ea, R-236ea, R-236fa, R-245ca, R-290, R-365MFC, R-401A (MP39), R-401B, R-401C, R-402A, R-402B, R-403A, R-403B, R-404A, R-405A, R-406A, R-407A, R-407B, R-407C, R-407D, R-407E, R-407F, R-408A, R-409A, R-409B, R-410A, R-410B, R-411A, R-411B, R-412A, R-413A, R-414A, R-414B (Hotshot), R-415A, R-415B, R-416A, R-417A, R-418A, R-419A, R-420A, R-421A, R-421B, R-422A, R-422B (NU22B), R-422C (Oneshot), R-422D, R-423A, R-424A, R-425A, R-426A, R-427A, R-428A, R-429A, R-430A, R-431A, R-432A, R-433A, R-434A (RS-45), R-435A, R-436A, R-436B, R-437A, R-438A (MO99), R-441A, R-442A, R-443A, R-444A, R-500, R-501, R-502, R-503, R-504, R-507A, R-508A, R-508B (Suva95), R-509A, R-510A, R-512A, R-600, R-600A, R-601, R-601A, R-717, R-744, R-1234YF, R-1234ZE, R-1270, R-E170

SPECIFICATIONS

Pressure Measuring Range:	-29.9 to 0 to 650 psig
Pressure Reading:	psig, bar, kPa, Kg/cm ²
Pressure Resolution:	0.1 psig, 0.01 bar, 0.01 kPa, 0.01 Kg/cm ² , 0.1 inHg
Pressure Accuracy:	inHg: -29.9 to 0, ±2 PSIG: 0 to 200, ±1; 200 to 650 ± (0.3% reading + 1) BAR: 0 to 13.79, ± 0.07; 13.79 to 44.82, ± (0.3% reading + 0.07) kPa: 0 to 1379, ±7; 1379 to 4482, ± (0.3% reading + 7) Kg/cm ² : 0 to 14.06, ± 0.07; 14.06 to 45.71, ± (0.3% reading + 0.07)
Proof Pressure:	Pressure w/o internal damage 800 psig
Burst Pressure:	Pressure w/o loss of seal 2000 psig
Pressure Zeroing:	Reset Pressure & Temperature Sensors to Factory Default
Temperature Clamps:	K-Type Thermocouple with 6 ft. lead
Temperature Sensor Range:	-40 °F to 266 °F (-40 °C to 130 °C)
Temperature Accuracy:	± 2 °F, ± 1 °C
Temperature Resolution:	0.1 °F or °C
Elevation Compensation:	Enter elevation into app for automatic P/T compensation
Batteries:	6 x AA
Battery Life:	150 hours without backlight and wireless
Auto Power Off:	Settings; 30 Min., 60 Min., 120 Min. or Manual On/Off (60 Min.)
Screen Display:	LCD with On/Off Display Backlight

* Compatible with iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 4, iPhone 4s, iPad Air 2, iPad Air, iPad mini 3, iPad mini 2, iPad mini, iPad with Retina Display, iPad (4th generation), iPad (3th generation) iPad 2. iPhone and iPad are registered trademarks of Apple, Inc., registered in the U.S. and other Countries. Compatible with Android 4.4 or higher. Android is a trademark of Google Inc. Bluetooth® is a trademark of Bluetooth® SIG.

SMART CHARGE ZONE™

Color coded differential for accurate "In the Zone" system charge.

SUBCOOLING (TXV)	RED ZONE
TARGET 10.0 °F	System is over charged with refrigerant and requires removal of excess refrigerant
ACTUAL 14.6 °F	
DIFF. 4.6 °F	
SUBCOOLING (TXV)	GREEN ZONE
TARGET 10.0 °F	System is properly charged for maximum efficiency and optimal performance
ACTUAL 10.3 °F	
DIFF. 0.3 °F	
SUBCOOLING (TXV)	BLUE ZONE
TARGET 10.0 °F	System is under charged and requires additional refrigerant
ACTUAL 4.2 °F	
DIFF. 5.8 °F	



Smartphone pictured not included

Unexpectedly More!

The Uniweld SmarTech Wireless Digital Manifold communicates with your Android or iOS smart device using our free downloadable app. The SmarTech app, with 109 refrigerant profiles, calculates and displays the system's real time pressures, temperatures, Superheat and Subcooling in a user friendly format.

SmarTech's digital accuracy takes the guess work out of properly charging a system for maximum efficiency and optimal performance.



ACCURATE TEMPERATURE

Red and Blue Temperature Clamps, K-Type with 6 Ft. Lead and (2) K-Type Thermocouple Bead Probes



FAST-FLO® 3X TIMES FASTER FLOW

5 Ft. Fast-Flo® 3/8" Charging & Vacuum hose with unrestricted full flow ball valve...more than 3 times faster vacuum than with standard 1/4" hoses.



Tank Adaptor
3/8" M x 1/4" F



EZ TURN® ANTI-BLOWBACK HOSES

5 Ft. Red and Blue Hoses with EZ® Turn Anti-Blowback Fittings that feature our exclusive thrust bearing that reduces friction so the service hose can be easily connected to the access fitting while under pressure. (Patents Pending)



EZ ACCESS "T" FITTING™

Multi function 1/4" Male Flare "T" Fitting built into the blue hose for connecting a Micron Gauge or Simplified Purging and Charging Refrigerant. Micron Gauge Not Included. (Sold Separately). (Patents Pending)



Export a SmarTech Verified Report and email system performance data as a PDF or CSV file that can be easily tracked and saved.

2 valve aluminum manifold body with Fast-Flo® 3/8" center port, easy grip piston valves and easy access front hose holders.

