UNIWELD SMARTECH
Wireless Digital Manifold

USTCK

USTBP

USVS5

USCASE

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 ¼" 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, SmarTech™ Protective Padded Case, (6) AA Batteries and (10) 5" Velcro Cable Tie Straps.

US & International Patents Pending.

EZ5R

EZT5B

HD5BV

A3814A

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 SmarTech
Wireless Digital Manifold...**

Unexpectedly More!

SmarTech display / app readout

R-410A	
LOW SIDE 107.9 PSIG	HIGH SIDE 309.5 PSIG
VAPOR SATURATION 35.0 °F	LIQUID SATURATION 98.0 °F
LOW TEMP 55.4 °F	HIGH TEMP 87.7 °F
SUPERHEAT (NON-TXV) NON-TXV PUSH HERE	SUBCOOLING (TXV) TARGET 10.0 °F / ACTUAL 10.3 °F / DIFF. 0.3 °F
OUTDOOR DRY BULB 82.4 °F	INDOOR WET BULB 57.0 °F
RETURN AIR DRY BULB 68.4 °F	SUPPLY AIR DRY BULB 48.2 °F
DELTA T 20.2 °F	

EXCLUSIVE SMART CHARGE ZONE™ (SEE BACK FOR DETAILS)

ANDROID APP ON Google play

Download on the App Store

Smartphone pictured not included

Device display: 55.4 T1 / 87.7 T2 / 107.9 Lo Psig / 309.5 Hi Psig / APO

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

UNIWELD SmarTech™
Wireless Digital Manifold

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.

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-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/cm²
Pressure Resolution:	0.1 psig, 0.01 bar, 0.01 kPa, 0.01 Kg/cm², 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/cm²: 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, iPhone4s, 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)
TARGET 10.0 °F
ACTUAL 14.6 °F
DIFF. 4.6 °F

RED ZONE
System is over charged with refrigerant and requires removal of excess refrigerant

SUBCOOLING (TXV)
TARGET 10.0 °F
ACTUAL 10.3 °F
DIFF. 0.3 °F

GREEN ZONE
System is properly charged for maximum efficiency and optimal performance

SUBCOOLING (TXV)
TARGET 10.0 °F
ACTUAL 4.2 °F
DIFF. 5.8 °F

BLUE ZONE
System is under charged and requires additional refrigerant

ANDROID APP ON
Google play

Download on the
App Store

Smartphone pictured not included

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 ¼" 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 performace 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 handles, double O-ring piston valves and easy access front hose holders.