

REFMATE-4-CA-WTC-V

Item Number 4688132

The REFMATE is the digital manifold for the professional refrigeration engineer. It communicates wirelessly with temperature clamps, vacuum gauge, pressure gauges, and the scale, and documents all measured values in the device during long-term measurements. All data can be interpreted and displayed via the app REFMESH. The latest refrigerant and firmware updates can be easily installed via PC.

- Patented analog display
- Large 4.3" TFT display
- Indication of superheating and subcooling
- Intuitive control via robust push buttons
- High precision with accuracy class 0.5
- Flexible power supply (AA batteries or USB)
- Wireless communication with REFMESH App and other devices
- All mechanical components are available as spare parts
- Lockable for long-term measurements

Technical Data

Material	Aluminium | Brass | ABS | TPE
Colour	yellow (RAL 1023) | green (RAL 6026)
Standards	CE / FCC / IC / RCM / RoHS / REACH
RoHS Conformity	RoHS-true
Number of Hoses	6
Length	60 "
Sealing	PTFE
System Connection	1/4" SAE | 5/16" SAE or 1/2"-20 UNF | 3/8" SAE | With core depressor
Device Connection	1/4" SAE | 3/8" SAE
Ball Valve	Yes

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Certificate
ISO 9001 / ISO 14001

Working Pressure	60 bar
Burst Pressure	300 bar
Refrigerant(s)	R11 | R1234ze | R113 | R114 | R12 | R123 | R124 | R13 | R13B1 | R134a | R14 | R22 | R23 | R32 | R41 | R125 | R142b | R152A | R161 | R170 | R227ea | R236ea | R236fa | R245fa | R290 | R401A | R401B | R401C | R402A | R402B | R403B | R404A | R406A | R407A | R407B | R407C | R407D | R407F | R407H | R408A | R409A | R410A | R411A | R412A | R413A | R414B | R416A | R417A | R420A | R421A | R422A | R422B | R422C | R422D | R424A | R426A | R427A | R434A | R437A | R438A | R442A | R444A | R445A | R448A | R449A | R450A | R452A | R452B | R453A | R454A | R454B | R454C | R455A | R470A | R470B | R500 | R502 | R503 | R507 | R507A | R508A | R508B | R513A | R600 | R600a | R744 | R1270 | R1234yf | R1233zd
Accuracy Class	0.5 (+/-0.5 %)
Gas Connection	1/4" SAE | 3/8" SAE
Pressure Scale	MPa | bar | kPa | kg/cm2 | psi
Number of Ways	4-way
Operating Temperature Range	-20 - 50°C
Storage Temperature Range	-20 - 60°C
Pressure Range	-0.95 - 60 bar
Ingression Protection	IP42
Resolution	0.001 bar, 0.5 psi, 0.0001 MPa, 0.01 kg/cm2, 1 kPa
Battery	4 x AA | 2 x 2 AAA | 3 x AAA | Alternative Power Supply USB Mirco-B
Operating Hours	50 h at low operation
Signal Range	100 m
Functions	Superheat / Subcool, Digital / analogue display, Slave pointer, Pressure zeroing, Data logging, Tube error compensation, Refrigerant favorites, Refrigerant update, Firmware update, Set pressure reference, Field calibration, Unit and language settings, Display brightness,

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	Wireless connections to mobile and other REMESH devices, Commissioning date, Printscreens
Scope of Supply	Batteries | Case | Instruction manual | 5 Charging hoses with CA valve and 3/8" vacuum hose | 2 wireless temperature clamps | 2 wired temperature sensors | Digital vacuum gauge
Packaging	SturdyPlasticCase
Sensor Type	K-type | Pirani Sensor | Piezo Sensor
Temperature measuring range	-40 - +125°C
Temperature Units	°C | °F
Temperature Accuracy	+/-1 K
Temperature Resolution	0.1 °C / 0.1 °F

Accessories

4681466	K-TYPE-CLAMP TC	Clamp thermocouple for REFMATE and DIGIMON
4687785	WIRELESS-CLAMP WTC	Temperature clamp for REFMATE and TAP

Spare Parts

4687094	M4-7-SET-B+N+R+Y	Replacement knobs blue, black, red, yellow
4687105	M2-10-95-R/4	Complete valve set, 4 pieces
4491018	M4-6-11	Sight glass assembly with 2 gaskets
4687951	A-31452-Y/3	Threaded Y-style, 3 pieces
4688733	REFCLAMP-SET	Wireless temperature clamp with humidity sensor
4681394	K-TYPE-SENSOR	External temperature sensor for REFMATE and DIGIMON
4681466	K-TYPE-CLAMP TC	Clamp thermocouple for REFMATE and DIGIMON
4688291	REFVAC-RC	Wireless digital vacuum gauge connection 1/4"SAE male, Units: Micron, mbar, Pa, Torr, mTorr, psi and inHg
4687093	M4-6-04-R/4	Valve seat assemblies, 4 pieces
4662624	M4-6-04-R/10	Valve seat assemblies, 10 pieces

4493169	M4-6-11-T	Sight glass removal tool
4688082	REFMATE-CASE	Protection case for digital manifold REFMATE
4687995	REFMATE-HOOK	Replacement hook

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