Acknowledged globally



REFMATE-2

Item Number 4688124

The REFMATE is the Digital Manifold for the professional refrigeration engineer. It communicates wirelessly with temperature clamps, 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 (US patent 9'448'140)
- 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
Color	yellow (RAL 1023) | green (RAL 6026)
Standards	CE / FCC / IC / RCM / RoHS / REACH
RoHS Conformity	1
RoHS Conformity	Yes
Number of Hoses	3
Length	60 "
Sealing	Neoprene
System Connection	1/4" SAE
Device connection	1/4" SAE

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Certificate
ISO 9001 / ISO 14001

Ball Valve	No
Refrigerant(s)	R11 | R12 | R13 | R13B1 | R14 | R22 | R23 | R32 | R41 | R113 | R114 | R123 | R124 | R125 | R134a | 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 | R1234yf | R1233zd | R1234ze | R1270
Accuracy Class	0.5 (+/-0.5%)
Gas Connection	1/4" SAE
Pressure Scale	bar | psi | kPa | MPa | kg/cm2
Number of Ways	2-way
Operating Temperature Range	-4 -122 °F
Storage Temperature Range	-4 -140 °F
Pressure Range	-14 - 870 psi
Ingression Protection	IP42
Resolution	0.001 bar, 0.5 psi, 1 kPa, 0.0001 MPa, 0.01 kg/cm2
Battery	4 x AA | Alternative Power Supply USB Mirco-B
Operating Hours	50 h at low operation
Signal Range	300 ft
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, Wireless connections, Commissioning date,

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	Printscreens
Scope of Supply	3 Charging hoses | 2 wired temperature sensors | Calibration Certificate | Batteries | Instruction manual | Case
Packaging	Sturdy plastic case
Sensor type	K-type | Piezo Sensor
Temperature measuring range	-40 - 257 °F
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
4493622	CA-CCL-60	Set of 3 charging hoses with ball valve 1/4" SAE, 60"/150 cm, blue, red & yellow, 1x straight 1/4" SAE, 1x straight with ball valve 1/4" SAE and core depressor
4682519	CA-CCL-60-5/16"SAE	Set of 3 charging hoses, R410A/R32, 60"/150 cm blue, red & yellow with ball valve
4687412	HCL6-60-Y-N-1/4x1/4	Special suction and charging hose, yellow, 60"/150cm Inner diameter: 9.5mm (3/8"), connections: 2 x 1/4" SAE, without core depressor, with neoprene gaskets

Spare Parts

4687079	M2-7-SET-B+R	Replacement knobs
4687104	M2-10-95-R/2	Complete valve set, 2 pieces
4491018	M4-6-11	Sight glass assembly with 2 gaskets
4687951	A-31452-Y/3	Threaded Y-style, 3 pieces
4687785	WIRELESS-CLAMP WTC	Temperature clamp for REFMATE and TAP
4681394	K-TYPE-SENSOR	External temperature sensor for digital manifolds

4681466	K-TYPE-CLAMP TC	Clamp thermocouple for REFMATE and DIGIMON
9881276	CCL-60	Set of 3 charging hoses, 1/4"SAE, 60"/150 cm blue, red & yellow, 1x straight 1/4" SAE, 1x bended 1/4" SAE with core depressor
9881251	CL-60-B	Charging hose, blue, 1/4" SAE, 60"/150 cm 1x straight 1/4" SAE, 1x bended 1/4" SAE with core depressor
9881260	CL-60-R	Charging hose, red, 1/4" SAE, 60"/150 cm 1x straight 1/4" SAE, 1x bended 1/4" SAE with core depressor
9881269	CL-60-Y	Charging hose, yellow, 1/4" SAE, 60"/150 cm 1x straight 1/4" SAE, 1x bended 1/4" SAE with core depressor
9884095	CCL-60-5/16"SAE	Set of 3 charging hoses, R410A/R32, 60"/150 cm blue & red: 1x straight 1/4" SAE, 1x bended 5/16"SAE (5/16"SAE) with core depressor, yellow: 1x straight 1/4" SAE, 1x bended 1/4" SAE with core
9884621	CL-60-B-5/16"SAEx1/4"SAE	Charging hose, blue, R410A/R32, 60"/150 cm 1x straight 1/4" SAE, 1x bended 5/16"SAE (5/16"SAE) with core depressor
9884622	CL-60-R-5/16"SAEx1/4"SAE	Charging hose, red, R410A/R32, 60"/150 cm 1x straight 1/4" SAE, 1x bended 5/16"SAE with core depressor
9884623	CL-60-Y-5/16"SAEx1/4"SAE	Charging hose, yellow, R410A/R32, 60"/150 cm 1x straight 1/4" SAE, 1x bended 5/16"SAE (5/16"SAE) with core depressor
4688082	REFMATE-CASE	Protection case for digital manifold REFMATE
4493169	M4-6-11-T	Sight glass removal tool
4687093	M4-6-04-R/4	Valve seat assemblies, 4 pieces
4662624	M4-6-04-R/10	Valve seat assemblies, 10 pieces
4687995	REFMATE-HOOK	Replacement hook

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