



## REFMATE-4-BASIC

Item Number 4688298

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
- 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

<b>Material</b>	Aluminium   Brass   ABS   TPE
<b>Colour</b>	yellow (RAL 1023)   green (RAL 6026)
<b>Standards</b>	CE / FCC / IC / RCM / RoHS / REACH
<b>Accuracy Class</b>	0.5 (+/-0.5%)
<b>Gas Connection</b>	1/4" SAE   3/8" SAE
<b>Pressure Scale</b>	bar   psi   kPa   MPa   kg/cm <sup>2</sup>
<b>Number of Ways</b>	4-way
<b>Temperature Range</b>	-20 - 50 °C
<b>Storage Temperature Range</b>	-20 - 60 °C
<b>Pressure Range</b>	-0.95 - 60 bar

<b>Ingression Protection</b>	IP42
<b>Resolution</b>	0.001 bar, 0.5 psi, 1 kPa, 0.0001 MPa, 0.01 kg/cm <sup>2</sup>
<b>Battery</b>	4 x AA   included   Alternative Power Supply USB Mirco-B
<b>Operating Hours</b>	50 h at low operation
<b>Signal Range</b>	100 m
<b>Functions</b>	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, Printscreens
<b>Scope of Supply</b>	2 wired temperature sensors   Batteries   Instruction manual   Case
<b>Packaging</b>	Sturdy plastic case
<b>Sensor Type</b>	K-type   Piezo Sensor
<b>Temperature Range</b>	-40 - +125 °C
<b>Temperature Units</b>	°C   °F
<b>Temperature Accuracy</b>	+/-1 K
<b>Temperature Resolution</b>	0.1 °C / 0.1 °F

## Accessories

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

CLAMP WTC

4688587	CCL-60-A-38010	Set of 3 charging hoses with access control valve, 60"/150 cm blue and red with access control valve A-38010, 1/4" SAE, yellow 1/4" SAE with CA ball valve
4688596	CCL-60-A-38410	Set of 3 charging hoses with access control valve, 60"/150 cm blue and red with access control valve A-38410, 1/4" SAE, yellow 1/4" SAE with CA ball valve
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
4687668	CCL-60-N	Set of 3 charging hoses, 1/4"SAE, 60"/150 cm blue, red & yellow, with neoprene gaskets, 1x straight 1/4" SAE, 1x bended 1/4" SAE with core depressor
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
4668533	CCL-60-CA	Set of 3 charging hoses with ball valve, 1/4" SAE, 60"/150 cm blue, red & yellow, ball valve integrated in charging hose, 1x straight 1/4" SAE, 1x bended 1/4" SAE with core depressor
9884095	CCL-60-1/2"-20UNF	Set of 3 charging hoses, R410A/R32, 60"/150 cm blue & red: 1x straight 1/4" SAE, 1x bended 1/2"-20UNF (5/16" SAE) with core depressor yellow: 1x straight 1/4" SAE, 1x bended 1/4" SAE with co
4682519	CA-CCL-60-1/2"-20UNF	Set of 3 charging hoses, R410A/R32, 60"/150 cm blue, red & yellow with ball valve
4688477	VCL-60-3/8"SAEx1/4"SAE	Vacuum hose 3/8" SAE x 1/4" SAE, 60"/150cm
4687411	HCL6-60-Y-N-3/8x1/4	Special suction and charging hose, yellow, 60"/150cm Inner diameter: 9.5mm (3/8"), connections: 3/8" SAE + 1/4" SAE, without core depressor, with neoprene gaskets
9881313	HCL6-60-Y	Large diameter hose 3/8", yellow, 60"/150 cm 2x 3/8" SAE female

## Spare Parts

*Acknowledged globally*



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
4687785	WIRELESS- CLAMP WTC	Temperature clamp for REFMATE and TAP
4681394	K-TYPE-SENSOR	External temperature sensor for REFMATE and DIGIMON
4681466	K-TYPE-CLAMP TC	Clamp thermocouple for REFMATE and DIGIMON
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