



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

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

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| Ingression Protection | IP42 |
| Resolution | 0.001 bar, 0.5 psi, 1 kPa, 0.0001 MPa, 0.01 kg/cm ² |
| Battery | 4 x AA included 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, Wireless connections, Commissioning date, Printscreens |
| Scope of Supply | 2 wired temperature sensors Batteries Instruction manual Case Calibration Certificate |
| Packaging | Sturdy plastic case |
| Sensor Type | K-type 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

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

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| | | 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, 5/16" 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 c |
| 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

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| 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 |

Acknowledged globally



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| 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 |