



THE NEW DIGITAL MANIFOLD

REFMATE

SIMPLY BETTER MEASUREMENTS





THE NEW REFMAATE – PRECISE. SMART. INDISPENSABLE.

TYPICALLY SWISS

A very precise all-rounder

Here in Switzerland, we're pretty good at certain things – quality, accuracy, reliability – making the REFIMATE truly Swiss.

The REFIMATE has been developed by professionals, for professionals. With state-of-the-art technology wherever high-tech means real improvement. And with tried-and-tested features if they have benefits in daily use. That's

why, instead of a touch display, the REFIMATE has sturdy, intuitive buttons and an easy-to-read color display with an analog pointer. It's practical too – the REFIMATE can be locked for long-term measurements on construction sites.



**PATENTED
ANALOG DISPLAY
WITH POINTERS**



**LARGE 4.3-INCH
TFT COLOR DISPLAY**



**SUPERHEAT AND
SUBCOOL INDICATOR**



**INTUITIVE CONTROL
VIA BUTTONS**



**HIGH PRECISION THANKS TO
ACCURACY CLASS 0.5**



**FLEXIBLE POWER SOURCE
(AA BATTERIES OR USB)**



**WIRELESS
COMMUNICATION WITH APP
AND OTHER DEVICES**



**LOCKABLE FOR
LONG-TERM MEASUREMENTS**

www.refmate.ch

EVERYTHING AT A GLANCE

LET THE REFIMATE
SHOW YOU THE WAY



Flexible, durable, versatile:
the REFIMATE has all the features
you need in the workplace.
The most important functions at
a glance:



WELL-STRUCTURED

The large color display shows
measured values in either
analog or digital format.
The pointers react sensitively
and in real time.



COMMUNICATIVE

The REFIMATE connects different
peripheral and measuring
devices with the REFIMESH app.



RECEPTIVE

Long-term logging data and
maintenance activities are
automatically stored in the
REFIMATE and documented in
the REFIMESH app.



QUICK

Access the most relevant refrigerants by setting favorites.



UP-TO-DATE

Refrigerant and software updates can be carried out independently and free of charge.



PRECISE

The sensor's high level of accuracy is complemented by the compensation of the temperature measurement errors on the tube.



ADAPTABLE

The display's screen settings can be easily adjusted depending on the light conditions and environmental factors.

FULLY CONNECTED

The REFRESH app – an IoT platform

Because everything is connected to everything, we've developed a new app called REFRESH. As an IoT platform, the app connects a large number of peripheral devices with the REFRESH.

Data can be stored in the REFRESH, in the app and in the cloud, and can be made available in various formats to other users or customers.



REFRESH app

SPECIFICATIONS

| Property | Value | |
|---|--|---|
| Pressure sensors | Pressure range | -14 to 870 psi |
| | Max. working pressure | 870 psi |
| | Max. overpressure | 1160 psi |
| | Accuracy | ±0.5% (class 0.5) |
| | Units | psi / bar / kPa / MPa / kg/cm ² |
| | Resolution | 0.5 psi / 0.01 bar / 1kPa / 0.001MPa / 0.01kg/cm ² |
| External temperature sensors | Temperature range | -40°F to +257°F / -40°C to +125°C |
| | Connector | K-type |
| | Temperature accuracy | +/-1K |
| | Temperature units | °F / °C |
| | Resolution | 0.1°F / 0.1°C |
| Temperature clamps | Temperature range | -40°F to +257°F / -40°C to +125°C |
| | Connector | K-type |
| | Temperature accuracy | +/-1K |
| | Temperature units | °F / °C |
| | Resolution | 0.1°F / 0.1°C |
| | Tube diameters | ¼" to 1 ½" / 6 mm to 38 mm |
| | Tube dia. wireless temp. | ¼" to 1 ⅝" / 6 mm to 42 mm |
| Charging hoses | 3 charging hoses ¼"SAE (blue, red, yellow / 60"), with or without CA valves. REFMATE 4: special vacuum hose ⅜", 60" | |
| Ambient temperature | -4°F to +122°F / -20°C to +50°C | |
| Storage temperature | -4°F to +140°F / -20°C to +60°C | |
| Display | 4.3" TFT colour display | |
| Power source | 4 x 1.5 V AA / Mignon / LR6 or via USB | |
| Connectors | REFMATE-2: 2 x ¼", ¼" vacuum / REFMATE-4: 3 x ¼", ⅜" vacuum | |
| Material | Glass fibre-reinforced ABS, TPE, aluminium, brass | |
| Dimensions of sturdy plastic case (H x W x D) | 20.8" x 14.2" x 3.9" / 530 x 360 x 100 mm | |
| Device dimensions (H x W x D) | REFMATE-2: 7.9" x 7.5" x 3" / 200 x 190 x 75 mm | |
| | REFMATE-4: 9.1" x 7.5" x 3" / 230 x 190 x 75 mm | |
| Weight | REFMATE-2: 2.5 lbs / REFMATE-4: 3.3 lbs | |
| Refrigerants and firmware | Over 70 in basic version. Easy update by means of free REFMesh app and computer | |
| Conformity | CE / FCC / IC / RCM / RoHS / REACH | |

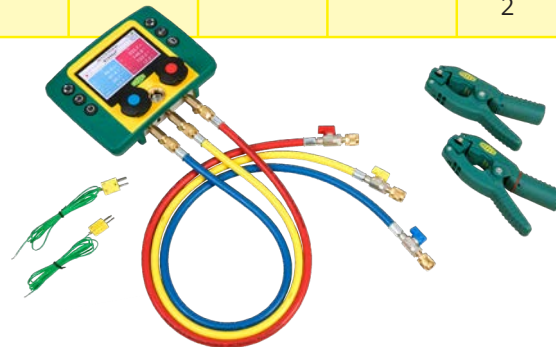
VERSIONS

| Components | REFMATE-2 | | | | |
|----------------------------|-----------|----------|---------|---------|---------|
| | BASIC | Standard | CA | CA-TC | CA-WTC |
| | 4688297 | 4688124 | 4688125 | 4688126 | 4688127 |
| REFMATE-2 | 1 | 1 | 1 | 1 | 1 |
| REFMATE-4 | | | | | |
| Sturdy plastic case | 1 | 1 | 1 | 1 | 1 |
| K-type temperature sensors | 2 | 2 | 2 | 2 | 2 |
| 3-piece hose set | | 1 | | | |

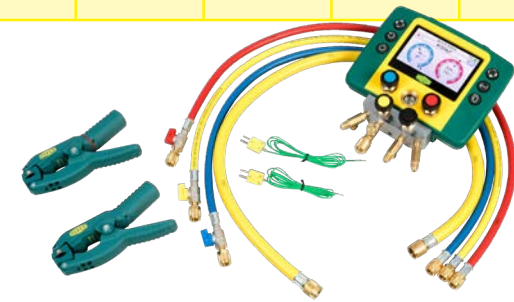
| Components | REFMATE-4 | | | | |
|----------------------------|-----------|----------|---------|---------|---------|
| | BASIC | Standard | CA | CA-TC | CA-WTC |
| | 4688298 | 4688129 | 4688100 | 4688130 | 4688131 |
| REFMATE-2 | | | | | |
| REFMATE-4 | 1 | 1 | 1 | 1 | 1 |
| Sturdy plastic case | 1 | 1 | 1 | 1 | 1 |
| K-type temperature sensors | 2 | 2 | 2 | 2 | 2 |
| 3-piece hose set | | 1 | | | |

| | | | | | |
|---------------------------------|--|--|---|---|---|
| 3-piece hose set with CA valves | | | 1 | 1 | 1 |
| Special vacuum hose 3/8" | | | | | |
| Temperature clamps | | | | 2 | |
| Wireless temperature clamps | | | | | 2 |

| | | | | | |
|---------------------------------|--|---|---|---|---|
| 3-piece hose set with CA valves | | | 1 | 1 | 1 |
| Special vacuum hose 3/8" | | 1 | 1 | 1 | 1 |
| Temperature clamps | | | | 2 | |
| Wireless temperature clamps | | | | | 2 |



4688127



4688131


SWISS MADE



REFIMATE-2

THE NEW

REFIMATE

AVAILABLE FROM YOUR DEALER NOW

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REFCO supports
OceanCare's work
to protect the
habitat of polar
bears.