

THE NEW DIGITAL MANIFOLD

# REFMATE

SIMPLY BETTER MEASUREMENTS

[www.refmate.ch](http://www.refmate.ch)





**THE NEW REFMATE – PRECISE. SMART. INDISPENSABLE.**

The name REFMATE comes from the English word MATE [mett], meaning companion, buddy, the person helping you as you work. And that's exactly what the REFMATE is – the best assistant at work you could imagine. Always accurate, always on hand, always ready to go, robust, versatile, easy to use.









REFMATE-4

**TYPICALLY SWISS**  
A very precise all-rounder

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

The REFMATE 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 REFMATE has sturdy, intuitive buttons and an easy-to-read colour display with an analogue pointer. It's practical too – the REFMATE can be locked for long-term measurements on construction sites.

 <p><b>PATENTED ANALOGUE DISPLAY WITH POINTERS</b></p>	 <p><b>LARGE 4.3-INCH TFT COLOUR DISPLAY</b></p>	 <p><b>SUPERHEAT AND SUBCOOL INDICATOR</b></p>	 <p><b>INTUITIVE CONTROL VIA BUTTONS</b></p>
 <p><b>HIGH PRECISION THANKS TO ACCURACY CLASS 0.5</b></p>	 <p><b>FLEXIBLE POWER SOURCE (AA BATTERIES OR USB)</b></p>	 <p><b>WIRELESS COMMUNICATION WITH APP AND OTHER DEVICES</b></p>	 <p><b>LOCKABLE FOR LONG-TERM MEASUREMENTS</b></p>

# 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 colour display shows  
measured values in either  
analogue 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  
favourites.



### 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

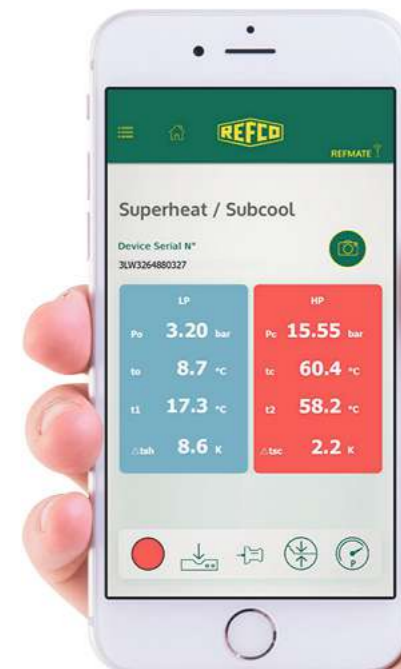
### The REFIMESH app - an IoT platform

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

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



REFIMESH App

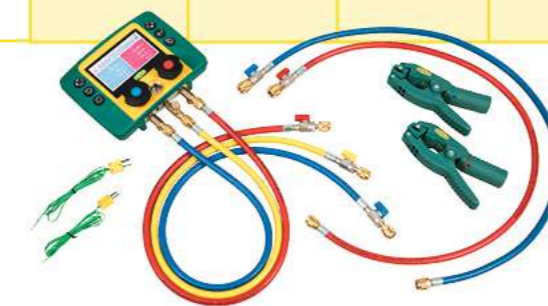


## SPECIFICATIONS

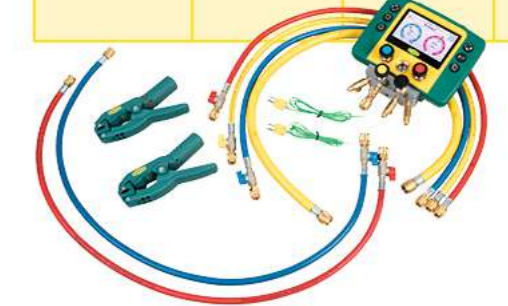
Property	Value	
Pressure sensors	Pressure range	-0.95 to 60 bar
	Max. working pressure	60 bar
	Max. overpressure	80 bar
	Accuracy	+/-0.5% (class 0.5)
	Units	bar / psi / kPa / MPa / kg/cm <sup>2</sup>
	Resolution	0.01 bar / 0.5 psi / 1 kPa / 0.001 MPa / 0.01 kg/cm <sup>2</sup>
External temperature sensors	Temperature range	-40 °C to +125 °C / -40 °F to +257 °F
	Connector	K-type
	Temperature accuracy	+/-1K
	Temperature units	°C / °F
	Resolution	0.1 °C / 0.1 °F
Temperature clamps	Temperature range	-40 °C to +125 °C / -40 °F to +257 °F
	Connector	K-type
	Temperature accuracy	+/-1K
	Temperature units	°C / °F
	Resolution	0.1 °C / 0.1 °F
	Tube diameters	6 mm to 38 mm / ¼" to 1 ½"
	Tube dia. wireless temp.	6mm to 42 mm / ¼" to 1 ⅝"
Charging hoses	3 charging hoses ¼"SAE (blue, red, yellow / 150 cm / 60"), as well as 2 charging hoses ½"-20UNF (blue, red / 150 cm / 60"), with or without CA valves REFMATE-4: Special vacuum hose ⅜", 150 cm / 60"	
Ambient temperature	-20 °C to +50 °C / -4 °F to +122 °F	
Storage temperature	-20 °C to +60 °C / -4 °F to +140 °F	
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)	530 x 360 x 100 mm	
Device dimensions (H x W x D)	REFMATE-2: 200 x 190 x 75 mm / REFMATE-4: 230 x 190 x 75 mm	
Weight	REFMATE-2: 1.15 kg / REFMATE-4: 1.48 kg	
Refrigerants and firmware	Over 70 in basic version. Easy update by means of free REFRESH App and computer	
Conformity	CE / FCC / IC / RCM / RoHS / REACH	

## VERSIONS

Components	REFMATE-2				REFMATE-4			
	Standard 4688124	CA 4688125	CA-TC 4688126	CA-WTC 4688127	Standard 4688129	CA 4688100	CA-TC 4688130	CA-WTC 4688131
REFMATE-2	1	1	1	1				
REFMATE-4					1	1	1	1
Sturdy plastic case	1	1	1	1	1	1	1	1
K-type temperature sensors	2	2	2	2	2	2	2	2
5-piece hose set	1				1			
5-piece hose set with CA valves		1	1	1				
Special vacuum hose 3/8"					1	1	1	1
Temperature clamps			2				2	
Wireless temperature clamps				2				2



4688127



4688131

  
SWISSMADE



THE NEW

# REFMATE

AVAILABLE FROM YOUR DEALER NOW

Discover our product  
videos on [www.refmate.ch](http://www.refmate.ch)

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REFMATE-2



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