

THE NEW

# REFMATE

SIMPLY BETTER MEASUREMENTS

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





## THE NEW REFMADE – PRECISE. SMART. INDISPENSABLE.

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

## 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 colour display with an analogue pointer. It's practical too – the REFIMATE can be locked for long-term measurements on construction sites.



**PATENTED  
ANALOGUE DISPLAY  
WITH POINTERS**



**LARGE 4.3-INCH  
TFT COLOUR 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**

# EVERYTHING AT A GLANCE

LET THE REFMATE  
SHOW YOU THE WAY



Flexible, durable, versatile:  
the REFMATE has all the features  
you need in the workplace.

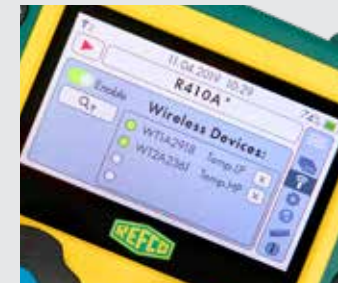
The most important functions at  
a glance:

## 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 REFMATE connects different  
peripheral and measuring  
devices with the REFMESH app.

## RECEPTIVE



Long-term logging data and  
maintenance activities are  
automatically stored in the  
REFMATE and documented in  
the REFMESH 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 REFRESH app - an IoT platform

Because everything is connected to everything, we've developed a new app called REFRESH. As an IoT platform, the software 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	-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	0.01bar / 0.5psi / 1kPa / 0.001MPa / 0.01kg/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
Charging hoses	Tube diameters	6 mm to 38 mm / ¼" to 1 ½"
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
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 1/4", 1/4" vacuum / REFMATE-4: 3 x 1/4", 3/8" 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 50 in basic version. Easy update by means of free REFMesh App and computer	
Conformity	CE / FCC / IC / RCM / RoHS / REACH	

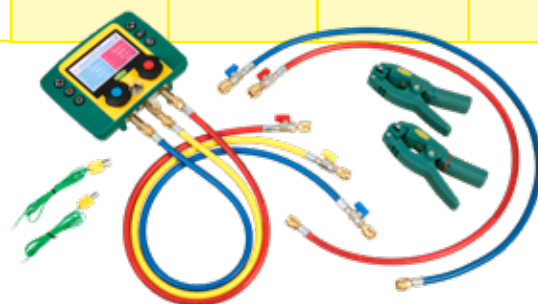
# VERSIONS

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

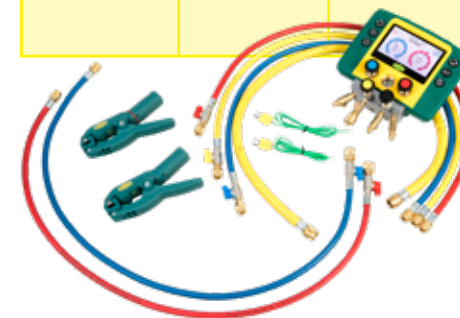
Components	REFMATE-4			
	Standard 4688129	CA 4688100	CA-TC 4688130	CA-WTC 4688131
REFMATE-2				
REFMATE-4	1	1	1	1
Sturdy plastic case	1	1	1	1
K-type temperature sensors	2	2	2	2
5-piece hose set	1			

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

5-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

  
SWISSMADE



THE NEW

# REFIMATE

AVAILABLE FROM YOUR DEALER NOW

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REFIMATE-2



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