

THE NEW

REFMATE

SIMPLY BETTER MEASUREMENTS

www.refmate.ch





THE NEW REFMAATE – PRECISE. SMART. INDISPENSABLE.

The name REFMAATE comes from the English word MATE [meæt], meaning companion, buddy, the person helping you as you work. And that's exactly what the REFMAATE 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 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:

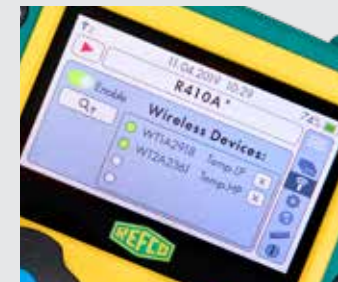
WELL-STRUCTURED

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



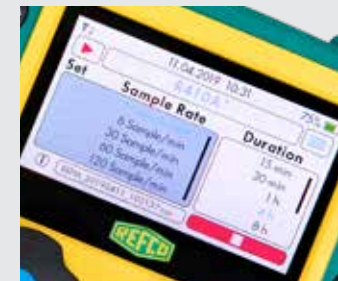
COMMUNICATIVE

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

Regular software and refrigerant updates can be downloaded 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 ²
	Resolution	0.01bar / 0.5psi / 1kPa / 0.001MPa / 0.01kg/cm ²
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"
Hose length	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	Easy to update via free REF MESH App	
Conformity	CE / FCC / IC / RCM / RoHS / REACH	

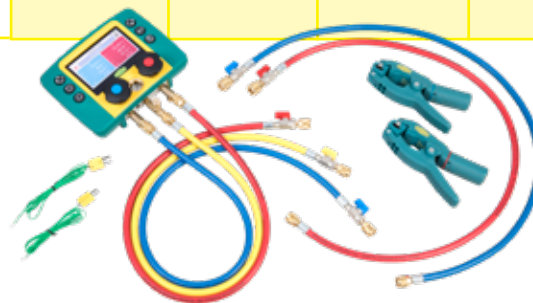
VERSIONS

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			

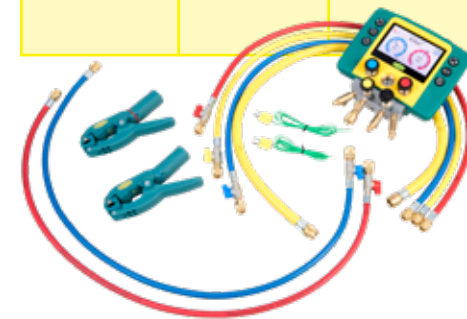
Components	REFMATE-4			
	Standard 4688129	CA 4688100	CA-TC 4688130	CA-WTC 4688131
REFMATE-2				
REFMATE-4	1	1	1	1
Sturdy plastic case	1	1	1	1
K-type temperature sensors	2	2	2	2
5-piece hose set	1			

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.