HVAC/R
Service Products

REFCO

SWISS MADE

THE NEW DIGITAL MANIFOLD

REFMATE

SIMPLY BETTER MEASUREMENTS

www.refmate.ch

THE NEW REFMATE – PRECISE. SMART. INDISPENSABLE.

The name REFMATE comes from the English word MATE [meɪt], 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.

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 REFMESH app – an IoT platform

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

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

REFMESH App

www.refmate.ch

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"
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				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		1	1	1
Special vacuum hose 3/8"					1	1	1	1
Temperature clamps			2				2	
Wireless temperature clamps				2				2
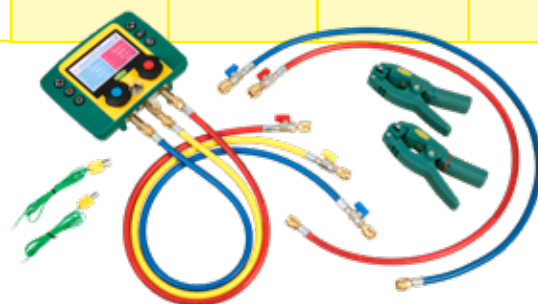
4688127

4688131

SWISS MADE

HVAC/R
Service Products
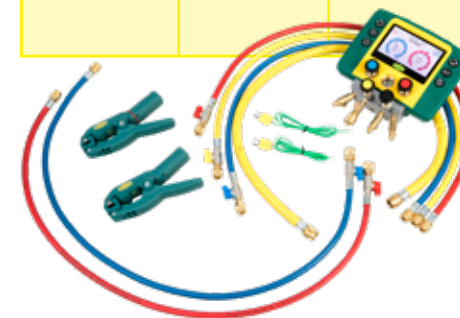
REFCO

THE NEW

REFMATE

AVAILABLE FROM YOUR DEALER NOW

REFCO Manufacturing Ltd.

Industriestrasse 11

6285 Hitzkirch - Switzerland

Tel.: +41 41 919 72 82

Fax: +41 41 919 72 83

info@refco.ch

www.refco.ch

REFMATE-2

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