SWISS✚MADE

THE NEW DIGITAL MANIFOLD

REFMATE

SIMPLY BETTER MEASUREMENTS

SWISS MADE

04/11/19 10:54 am

R1234yf*

HP 225.7 psi
140.8 °F
Pc 123.5 °F
tc 17.3 °F
t2
Δtsc

LP 46.0 psi
47.4 °F
60.1 °F
12.7 °F
Po
to
t1
Δtsh

74%

REFCO

THE NEW REFMATE – PRECISE. SMART. INDISPENSABLE.

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 color display with an analog pointer. It's practical too – the REFMATE 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 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 color display shows
measured values in either
analog 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 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 REFMESH app – an IoT platform

Because everything is connected to everything, we've developed a new app called REFMESH. As an IoT platform, the app 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	-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 $^5/_8$" / 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 $^3/_8$", 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", $^3/_8$" 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					REFMATE-4				
	BASIC	Standard	CA	CA-TC	CA-WTC	BASIC	Standard	CA	CA-TC	CA-WTC
	4688297	4688124	4688125	4688126	4688127	4688298	4688129	4688100	4688130	4688131
REFMATE-2	1	1	1	1	1					
REFMATE-4						1	1	1	1	1
Sturdy plastic case	1	1	1	1	1	1	1	1	1	1
K-type temperature sensors	2	2	2	2	2	2	2	2	2	2
3-piece hose set		1					1			
3-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

6 - 7
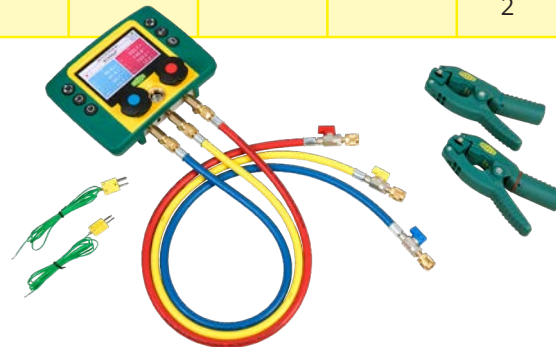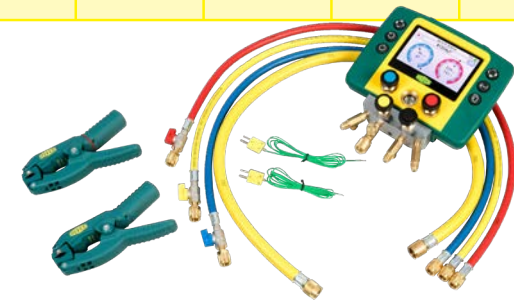
SWISS MADE

THE NEW

REFMATE

AVAILABLE FROM YOUR DEALER NOW

REFCO Manufacturing (US) Inc.

66 B Industry Avenue

Springfield MA 01104

Phone: 413 739 4761

Fax: 413 733 9267

sales@refcoswiss.com

www.refcoswiss.com

www.refco.com

REFMATE-2

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