

ROCOOL 600

For commissioning, maintenance work and documentation of refrigeration systems of all kinds



Product Profile

KEY FEATURES

- Modular system: The basic device can be fitted with the optional Red Box incl. the Data Viewer software for reading out or recording data on a PC. Additionally there is an optional external Pirani vacuum probe for precise vacuum readings
- More than 70 refrigerants incl. R744 (sub-critical) are stored in the device. New refrigerants can be added later using the update function
- Simultaneous calculation of superheat and subcool
- The documentation software Data Viewer generates an automatic report based on the data recorded. Ideal for handing out to the customer (client)
- An external Pirani vacuum probe allows reading of the vacuum where the most precise measurement is possible: directly at the refrigeration system

TECHNICAL DATA

Pressure display:	bar, psi, Kpa, MPa
Temperature display:	°C, °F
Vacuum display:	Micron, mbar, mmHg, Pa, mTorr
Power source:	9 V battery, 550 mAh
Screen size:	4.1/3" / 11 cm
Pressure measurement range:	-1 up to 60 bar
Precision (at 22°C):	± 0,5 % fs
Temperature measurement range:	-50°C to +200°C
Working temperature:	-10°C to +50°C
Connections:	4x ¼" SAE
Max. recording time:	12h (device), 96h (red box)

An absolute all-rounder due to the unique modular system!

Large screen

All important data at a single glance. Strong backlight for dark environment

Connection for the temperature sensor T1

For automatic measurement of superheat data

Connection for the external vacuum probe

For very precise measurement of the vacuum level directly at the refrigeration system

Pressure sensors "Made in Germany"

Precise measurement from -1 to 60 bar

T-connection with Schrader valve ¼" SAE

3-way function: Evacuation and filling without changing a hose

Y-connections ¼" SAE

A connection and sealing plug in one. Simple transport of hoses when not in operation

Set (No. 100000569) includes: ROCOOL 600, 1 temperature sensor
 Set (No. 100000570) includes: ROCOOL 600, 2 temperature sensors, carry case
 Set (No. 100000572) includes: ROCOOL 600, 2 temperature sensors, red box and data viewer software, carry case

Model	No.
Set with 1 temperature sensor (in the blister)	100000569
Set with 2 temperature sensors (in the case)	100000570
Set with 2 temperature sensors, red box, data viewer software (in the case)	100000572

Connection for the temperature sensor T2

For automatic measurement of subcool data

Green and red LEDs

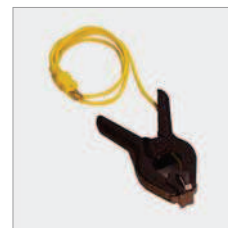
An optical signal is displayed once an adequate vacuum level is reached or leakage in the system and also a warning of overpressure



Connection of the Red Box

To record data for up to 96 hours and independent read out of data at a PC

Temperature sensor for a pipe diameter of up to Ø 32 mm



External vacuum probe for very precise measurement of the vacuum



Scope of delivery (No. 100000539): Red box, data viewer software, connection cable, external power supply

Model	No.
Red box, software, connection cable, external power supply	100000539
Temperature sensor	100000540
Vac Probe	100000541

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Refrigeration & Air-Conditioning Technology

Refrigeration Circuit Control

Analogue Manifolds

2- and 4-way manifolds



Pressure gauge Ø 80 mm, with pulse-dampening class 1.6

Easy-to-read, high precision display

Large hand valve with colour coding

Light, secure and precise opening and closing of the diaphragm valve, maintenance free

Valve sets



Pressure gauge with shock-proof rubber protector

Protects against damage

Valve body made of aluminium with gauge glass

Sturdy despite low weight

Manifold Blister



2-way manifold



Model	ND*/bar	HD*/bar	kg	No.
R22	R134a	R407C	R404A	
2-way, 1/4" SAE	-1 up to 17	0 up to 34	0.7	1 170501
4-way, 1/4" SAE	-1 up to 17	0 up to 34	0.9	1 170502
R410A				
2-way, 5/16" SAE	-1 up to 30	0 up to 60	0.7	1 170518
4-way, 5/16" SAE	-1 up to 30	0 up to 60	0.9	1 170508

*LP = Low pressure manifold, *HP = High pressure manifold

Model	No.
Blue rubber protector for manifold	170545
Red rubber protector for manifold	170546
Valve sets for manifold	170547

Manifold Sets

Manifold sets and pressure hoses

2-way manifold (for 170600 and 170607)
4-way manifold (for 170601, 170606, 170602 and 170608)

Durable and highly precise tool



No. 170602

Pressure hose with ball valve "Plus" (only for 170602 and 170608)

No loss of refrigerant

Sets include: Manifold, pressure gauge with Ø 80 mm, "Pulse-free", class 1.6, 3 x 1,500 mm pressure hoses, plastic carrying case

Model	kg	No.		
2-way "Standard"				
R22	R134a	R407C	R404A	
Manifold set 2-way "Standard"	2.7	170600		
R410A				
Manifold set 2-way "Standard"	2.7	170607		
4-way "Standard"				
R22	R134a	R407C	R404A	
Manifold set 4-way I "Standard"	2.8	170601		
R410A				
Manifold set 4-way I "Standard"	2.8	170606		
4-way "Plus"				
R22	R134a	R407C	R404A	
Manifold set 4-way II "Plus"	2.8	170602		
R410A				
Manifold set 4-way II "Plus"	2.8	170608		
Plastic carry case	1.4	171505		

3-piece Pressure Hose Sets

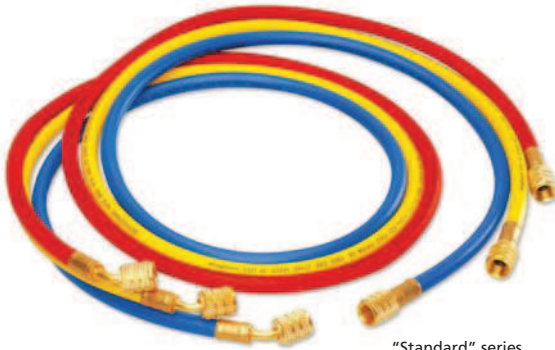
Available in "Standard" and "Plus"



Product Profile

KEY FEATURES

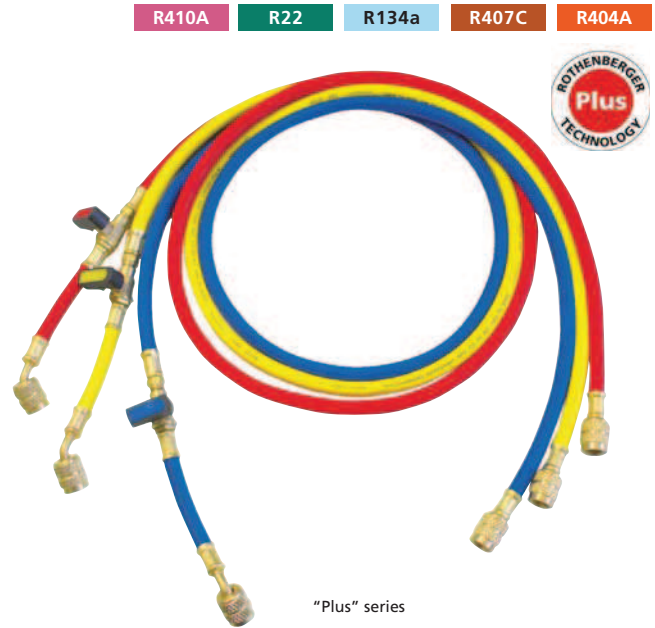
- No confusion and safe use with the colour coding (blue, red, yellow)
- Teflon seal with up to 10x longer service life compared to neoprene seal
- Working pressure 60 bar / burst pressure 300 bar. This is an 8 % better pressure resistance as previously



"Standard" series

Pressure hose from the series "Standard"

Model	Connection	L mm	⊠	No.
Vacuum Hose	3/8" SAE	1,500	1	1500000032
R22	R134a	R407C	R404A	
Set of 3 pressure hoses	1/4" SAE	1,500	1	1500000024
Pressure hose yellow	1/4" SAE	1,500	1	1500000025
R410A				
Set of 3 pressure hoses	5/16" SAE	1,500	1	1500000026
Pressure hose yellow	5/16" SAE	1,500	1	1500000027



"Plus" series

Pressure hose from the series "Plus" with ball valve

Model	Connection	L mm	⊠	No.
R22	R134a	R407C	R404A	
Set of 3 pressure hoses	1/4" SAE	1,500	1	1500000028
Pressure hose yellow	1/4" SAE	1,500	1	1500000029
R410A				
Set of 3 pressure hoses	5/16" SAE	1,500	1	1500000030
Pressure hose yellow	5/16" SAE	1,500	1	1500000031

Tool Set Climate I + II

Practical tool set with all tools required

For installation and maintenance of air-conditioning units and heat pumps

Product Profile

APPLICATION AREA

- Monitor temperature and pressure
- Quality hoses with high bursting pressure
- Pipe cutter for all pipe cross-sections from 3 - 35 mm (1/8" - 1.1/8")
- Measurement of ambient and ventilator air temperature
- Clean, kink-free bending of all common pipe cross-sections
- Optimum flaring connections for all types of air-conditioners

Set Climate I (No. 170604) includes: 2-way manifold (No. 170501), set of pressure hoses standard 1/4" SAE, Tube Cutter 35 C (No. 070027C), minicut pipe cutter (No.070401C), thermometer, set of bending springs 3/8" - 1/2" - 5/8", universal flaring tool (No. 222601), plastic case

Set Climate II (No. 170605) includes: 2-way manifold (No. 170518), set of pressure hoses standard 5/16" SAE, Tube Cutter 35 C (No. 070027C), minicut pipe cutter (No.070401C), thermometer, set of bending springs 3/8" - 1/2" - 5/8", Reeling Flaring Tool (No. 222402), plastic case

Model	kg	⊠	No.
Tool Set Climate I	2.3	1	170604
Tool set Climate II	2.4	1	170605

R22 **R134a** **R407C** **R404A**



The ideal introduction into a whole new area of business!



No. 170604

