



Testing and leak detection



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Testing pumps, manual

RP 50 Digital

RP 50-S/ RP 50-S INOX



Testing and pressure range	0–30 bar	0–60 bar
Hub suction capacity	approx. 45 ml / stroke	approx. 45 ml / stroke
Tank capacity	12l	12l
Connection	R 1/2"	R 1/2"
Dimension (L × B × H)	495 × 165 × 255 mm	495 × 165 × 255 mm
Material	DURAMANT coated steel	DURAMANT coated steel
Valve	Twin valve	Twin valve
Pressure gauge units	bar, psi and MPa	bar, psi and MPa
Documentation via app	●	○
Suitable for	Water and glycol-water mixtures	Oil, water and glycol
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Testing pumps, manual Testing pumps, electric

TP 25

RP 30

RP Pro III



Testing and pressure range	0–25 bar	0–30 bar	0–40 bar
Hub suction capacity	approx. 16 ml / stroke	approx. 16 ml / stroke	6l / min.
Tank capacity	7l	4,5l	○
Connection	R 1/2"	R 1/2"	R 1/2"
Dimension (L × B × H)	380 × 215 × 156 mm	440 × 200 × 240 mm	375 × 290 × 300 mm
Material	DURAMANT coated steel	ABS plastic	ABS plastic
Valve	Twin valve	Single valve	Single valve
Pressure gauge units	bar and psi	bar and psi	bar, psi and MPa
Documentation via app	○	○	○
Suitable for	Oil, water and glycol	Oil, water and glycol	Oil, water and glycol
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Testing devices for gas and water connections

ROTEST GW 150/4



Low pressure range	0-160 mbar (resolution 0.1 mbar / hPa)
High pressure range	0-4 bar (resolution 0.1 bar / 0.01 MPa)
Leak rate measurement	○
Display resolution	○
Data transfer	○
Battery life time	○
Safety class	○
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ROLEAK Aqua 3 Plus



Frequency filter	1. stage: 0-540 Hz, 2. stage: 540-4,000 Hz, 3. stage: 0-4,000 Hz
Battery life time	approx. 15 h
Safety class	IP 41
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ROTEST Electronic 4



Detects	Natural gas, propane, butane, methane, acetone, alcohol, ammonia, benzyl, ethylene, gasoline, hydrogen, industrial solvents, jet fuel, paint thinner, naphtha, toluene
Sensitivity	<50 ppm-1 Vol% (Methane)
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RP 50 Digital

Digital precision test pump for liquid-filled lines or containers up to 30 bar

Pressure tests with water on pipe systems in residential and commercial buildings and in industrially used tanks (up to 30 bar)

Application Benefits

- Digital pressure sensor up to 30 bar enables high-precision measurements and adjustment of the test pressure to be set
- Simple and automatic documentation of the test parameters
- Secure creation of a test protocol with the app
- An additional pressure gauge with drag indicator shows the set pressure so that a pressure drop in the system can be easily determined
- Reliable and precise measurement results: the double valve system (Twin Valve) enables self-testing of the pump as well as exact fine adjustment of the pressure
- Test hose with steel mesh prevents measurement errors that can occur due to expansion of the hose during operation
- Weathering and cold-resistant steel container with DURAMANT coating

Technical Data

Testing and pressure range	0–30 bar
Hub suction capacity	approx. 45 ml / stroke
Tank capacity	12 l
Connection	R 1/2"
Dimensions (L × B × H)	495 × 165 × 255 mm
Material	DURAMANT coated steel
Valve	Twin valve
Pressure gauge units	bar, psi and MPa
Suitable for	Water and glycol-water mixtures



Digital pressure sensor for measurements up to 30 bar

Wireless readout of the test data via Bluetooth® and creation of digital test protocols and visualizations of pressure curves

Additional pressure gauge with fine scaling 0.1 bar optional

Enables very precise readings up to a range of 16 bar (No. 61316)

Warp-resistant and lockable lever

Ergonomic handle serves as carrying grip too

Hook to fix the handle

Improved carrying comfort

TWIN VALVE system

Two valves for double safety while testing the system

5 year warranty against corrosion

Extrem durable DURAMANT coating

Testing hose with steel mesh

Precise measurement



Digital pressure sensor enables precise adjustment of the test pressure

Creation of a test protocol via app



Model	Weight	PU	No.
RP 50 Digital	7.800 kg	1	1000004000

RP 50-S / RP 50-S INOX

Robust precision testing pump for pressure testing of water lines and containers up to 60 bar with very high testing standards

Pressure testing with water or oil of piping in residential and industrial construction, as well as for industrial containers (up to 60 bar). Expansion possible with an extra fine scaling pressure gauge (0.1 bar) for testing up to 16 bars

Application Benefits

- A drag indicator displays the preset pressure so that a loss of pressure in the system can be detected easier
- Reliable and precise testing results: the dual-valve system (Twin Valve) enables self-testing of the pump as well as a precise fine adjustment of the pressure
- Especially precise reading as needed: finely scaled (scaling 0.1 bar) pressure gauge available separately
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Type 50-S: weather and cold-resistant steel container with DURAMANT coating
- Type 50-S INOX: high-quality corrosion resistant stainless steel tank

Adjustment of the pressure gauge with 0.1 bar scaling is possible!



Technical Data

Testing and pressure range	0–60 bar with 1 bar steps 0–860 psi with 20 psi steps 0–6 MPa with 0.1 MPa steps
Hub suction capacity	approx. 45 ml / stroke
Tank capacity	12 l
Connection	R 1/2"
Dimensions (L x B x H)	495 x 165 x 255 mm
Material RP 50-S	DURAMANT coated steel
Material RP 50-S INOX	Stainless steel
Valve	Twin valve
Pressure gauge units	bar, psi and MPa
Suitable for	Oil, water and glycol

Additional pressure gauge with fine scaling 0.1 bar optional

Enables very precise readings up to a range of 16 bar (No. 61316)

Testing hose with steel mesh

Precise measurement

INOX



No. 60203

Double valve system: enables self-testing of the pump, as well as a precise fine adjustment of the pressure



Optional: Extra fine scaling Pressure gauge for the testing of systems up to 16 bar with a 0.1 scaling



Warp-resistant and lockable lever

Ergonomic handle serves as carrying grip too

Hook to fix the handle

Improved carrying comfort

TWIN VALVE system

Two valves for double safety while testing the system

5 year warranty against corrosion

Extrem durable DURAMANT coating



No. 60200

Model	Weight	PU	No.
RP 50-S	8.000 kg	1	60200
RP 50-S INOX	8.000 kg	1	60203
Maintenance package for RP 50-S	0.100 kg	1	60201
Double nipple 1/2" to 3/4"	0.100 kg	1	60999
High pressure hose with 1/4"	0.490 kg	1	R6112500
Extra 16 bar pressure gauge	0.100 kg	1	61316

Testing and leak detection

Testing of water lines and containers

RP Pro III

Self-priming electric testing pump up to 40 bar

Electrical testing pump for the automatic pressure testing of piping and containers up to 40 bar in accordance with national and international standards



Application Benefits

- Comfortable, automatic filling and pressure testing of piping and containers
- Compact and robust plastic casing for simple handling at the building site
- Liquid supply freely selectable: optional self-priming up to a maximum of 1 m or from a pressure source. Suitable for oil, water and glycol
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Glycerine cushioned pressure gauge absorbs pressure surges which makes pressure reading easier

Technical Data

Testing and pressure range:	0–40 bar with 1 bar steps 0–570 psi with 20 psi steps 0–0.1 MPa steps
Hub suction capacity	6 l/min.
Connection	R 1/2"
Dimensions (L × B × H)	375 × 290 × 300 mm
Material	ABS plastic
Pressure gauge units	bar, psi and MPa
Gauge characteristics	glycerine cushioned
Suitable for	Oil, water and glycol

Valve for pressure adjustment

Precise labelling on handle

Glycerine pressure gauge

Easy for the user to read during high dynamic alternating loads

Optimal weight distribution

Comfortable to carry

Thermal automatic shutdown

Prevents overloads and damage to the pump

Installation diagram on unit

Eases the direct connection

Function overview

Direct overview of the functions



Model	Weight	PU	No.
RP Pro III	16.000 kg	1	61185
Testing hose with R 1/2"	0.400 kg	1	V12102000
Maintenance package for RP Pro III	1.111 kg	1	61186

TP 25**Small, robust precision testing pump for pressure testing up to 25 bar**

Pressure testing with water or oil of piping in residential and industrial construction as well as for industrial containers up to 25 bar in accordance with international and national standards

Application Benefits

- Reliable and precise testing results: the dual-valve system (Twin Valve) enables self-testing of the pump, as well as a precise fine adjustment of the pressure
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Weather and cold-resistant steel container with DURAMANT coating

Technical Data

Testing and pressure range	0–25 bar
Hub suction capacity	approx. 16 ml/ stroke
Connection	R 1/2"
Dimensions (L × B × H)	380 × 215 × 156 mm
Material	DURAMANT coated steel

Model	Weight	PU	No.
TP 25	4.600 kg	1	60250
Maintenance package for TP 25	0.100 kg	1	60251



For daily use on the construction site:
fits in any car

**RP 30****Simple and light testing pump for compression testing up to 30 bar**

Pressure testing with water or oil of piping in residential and industrial construction as well as for industrial containers up to 30 bar in accordance with international and national standards

Application Benefits

- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Shock and corrosion resistant ABS plastic container with reinforced floor

Technical Data

Testing and pressure range	0–30 bar with 1 bar steps 0–440 psi with 20 psi steps
Hub suction capacity	approx. 16 ml/ stroke
Connection	R 1/2"
Dimensions (L × B × H)	440 × 200 × 240 mm
Material	ABS plastic

Model	Weight	PU	No.
RP 30	4.500 kg	1	61130



Easy, light and handy: for all common
house building applications



Testing and leak detection

Testing of gas and water lines

ROTEST GW 150/4

Analogue testing device for gas and water connections using air as the medium



Analogue testing unit for the implementation of the following tests:

- Gas:** Load and leakage test for newly installed gas lines in accordance with DVGW-TRGI Worksheet G 600 (October 2018)
- Leakage test from propane liquid gas lines / low-pressure liquid gas lines
- Adjustment of the duct pressure on atmospheric burners and forced-air burners
- Testing of the appliance connection pressure on gas appliances
- Water:** Pre-testing and testing of newly installed drinking water lines in accordance with DIN 1988 (TRWI)

Technical Data

Pressure gauge	4 bar / 0.4 MPa
Water column	150 mbar / hPa
Testing accuracy	Water column 0.1 mbar / hPa (Reading accuracy in accordance with TRGI) Pressure gauge 0.1 bar / 0.01 MPa (Display range 0–4 bar / 0–0.4 MPa)

Application Benefits

- Quick and precise pressure reading over water column without electronic
- Testing time and pressures in accordance with DVGW-TRGI and TRWI clearly arranged on unit cover
- Sturdy unit: High reliability when used on the building site

DVGW-TRGI worksheet G 600 (October 2018) conforming!



Legible scaling

Continuous scaling up to 150 mbar

Measurement chart in unit

Testing times and testing pressure from lawmakers at a glance

Inspection glass

Water level control

Foam inlay

High transport safety and protection of the components

Compact measuring station

Designed to serve in real-life situations through quick, exact gas pressure measurements

Testing scale up to 150 mbar on transparent extending tube element



Transparent tube element with double o-ring seal



Model	Weight	PU	No.
ROTEST GW 150/4 with 5 test plugs and supply end cap	7.570 kg	1	61700
ROTEST GW 150/4 with 5 test plugs without supply end cap	7.300 kg	1	61701

Set components for ROTEST GW

Model	Weight	No.
Pressure pump for GW 150/4	0.300 kg	61011
Bellow for GW 150/4	0.055 kg	61014
Shut-off valve NW5 socket/plug	0.200 kg	61017
Adaptor nozzle pressure to NW5 plug	0.200 kg	61018
O-Ring set for GW 150/4, 6 pcs.	0.040 kg	61030
Supply end cap for GW 150/4 (NW 5)	0.380 kg	61041
1/2" adaptor to NW5 plug	0.500 kg	1500002876
Tube element for GW 150/4, 4 pcs.	1.100 kg	61702
Measurement fluid for GW 150/4, blue	0.100 kg	351257
Hose 2 m, high pressure with shut-off valve	0.200 kg	1500002845
Hose 2 m, low pressure	0.200 kg	1500002846
Double bellow for GW Digital V3	0.100 kg	1500002847
Air pump for GW Digital V3	0.140 kg	1500002848
CD RoData V3 for GW Digital V3	0.020 kg	1500002851



Gas test plug / adaptor for ROTEST GW

Suitable for gas lines up to 1.5 bar

Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	Weight	PU	No.
Conical shape with pneumatic connection					
Size 0	3/8-1/2"	15-18	0.045 kg	1	351260
Size 1	1/2-1"	22-28	0.080 kg	1	351261
Size 2	3/4-1.1/4"	35-42	0.125 kg	1	351262
Size 3	1.1/4-2"	54-64	0.175 kg	1	351263
Cylindrical shape with pneumatic connection					
Size 1	3/4"	22	0.060 kg	1	351271
Size 2	1"	28	0.075 kg	1	351272
Conical shape with hose coupling					
Size 0	3/8-1/2"	15-18	0.200 kg	1	351220
Size 1	1/2-1"	22-28	0.300 kg	1	351221
Size 2	3/4-1.1/4"	35-42	0.300 kg	1	351222
Size 3	1.1/4-2"	54-64	0.400 kg	1	351223
Conical shape with 2 ball valves					
Size 1	1/2-1"	22-28	0.260 kg	1	351231
Size 2	3/4-1.1/4"	35-42	0.420 kg	1	351232
Size 3	1.1/4-2"	54-64	0.700 kg	1	351233
Conical shape with 1 ball valve					
Size 0	3/8-1/2"	15-18	0.200 kg	1	351225
Size 1	1/2-1"	22-28	0.350 kg	1	351226
Size 2	3/4-1.1/4"	35-42	0.390 kg	1	351227
Size 3	1.1/4-2"	54-64	0.600 kg	1	351228
With double plug valve and hose snout					
Adaptor with pn. connection			0.290 kg	1	351265



ROLEAK Aqua 3 Plus

Easy to use leak detection device with acoustic signal for pipe systems

Application Benefits

- Leak detection possible on different pipe materials
- Amplifies flow noise and enables leaks to be located
- Digital wireless connection to headphones
- Possibility to connect an external microphone
- Bluetooth® connection for a better and clear noise transmission to headphones. This also allows to control the volume with the handunit



Technical Data

Frequency filter	1. stage: 0 up to 540 Hz 2. stage: 540 up to 4,000 Hz 3. stage: 0 up to 4,000 Hz
Battery life time	approx. 15 h
Safety class	IP 41



Even better acoustics thanks to Bluetooth® wireless technology



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External groundmicrophone



No. 1500003535

Acoustic leak detection of heating installations



6-parts Set (No. 1500003533) includes: basic unit, headphones, magnetic adaptor, 2x extensionstick, tripod-adaptor, ROCASE 4414

Model	Weight	PU	No.
ROLEAK Aqua 3 Plus	3.100 kg	1	1500003533
External groundmicrophone	0.500 kg	1	1500003535



ROTEST Electronic 4

Leak detection on gas lines

For the detection of gas in room as well as leaks in pipes.
Detects all flammable methane based gases

Application Benefits

- Leaks are optically as well as acoustically displayed
- With the help of the 42 cm long, flexible testing head and the integrated lamp, even dark and hard to reach places can be tested
- Quick and precise leak location of even the smallest leak source: The sensitivity of the unit can be adjusted continuously in a range from <math><50\text{ ppm}</math>–1 Vol %
- Shock-proof soft case jacket and simple one-handed operation of the unit for use on the building site

Technical Data

Detects	Natural gas, propane, butane, methane, acetone, alcohol, ammonia, benzyl, ethylene, gasoline, hydrogen, industrial solvents, jet fuel, paint thinner, naphtha, toluene
Sensitivity	<math><50\text{ ppm}</math>–1 Vol % (Methane)



Set (No. 1000003199) includes: ROTEST Electronic 4,
2 × AA battery in ROCASE 4212 (No. 1300003334)

Model	Weight	PU	No.
ROTEST Electronic 4	1.250 kg	1	1000003199

Finds leaks easily



Leak detection spray

Leak detection on gas lines

Ideal for detecting leaks in gas-filled lines, gas cylinders or containers. When a leak is present a blister forms

Application Benefits

- Simple use—always ready to use
- Highly sensitive foaming spray for a quick and reliable locating of leaks

Technical Data

- Detects gases (for example natural gas, inflammable gas or air)
- The leak detection spray is neutral against the most common inflammable gases and refrigerants. The only reaction is the building of foam

Highly sensitive foam spray
for quick and reliable
location of leaks



DVGW-tested
Reg.-No. NG-5170CL0063

Model	Weight	PU	No.
ROTEST leak detection spray 400 ml	0.470 kg	1	65000
ROTEST leak detection spray 400 ml, 12 pcs.	5.670 kg	12	1000000442

