

TECHNICAL DATA SHEET

For fully automatic pressure testing in accordance with TRGI, TRF & DIN standard

The ecom-DP3 is a powerful, fully automatic pressure testing device for standard-compliant testing of gas pipes - ideal for serviceability, load and leak testing as well as leak rate determination in accordance with TRGI 2018. All tests are carried out without an external pump or feed-in device and are completed automatically within a few minutes - including a printout ready for documentation.

The device is also suitable for measurements on liquid gas pipes, drinking water systems, heating systems and waste water pipes - ideal as a supplementary business for maintenance work.

ecom-DP3

MOBILE PRESSURE MEASUREMENT



Technical data

Purpose			
✓ = Standard; ● = Optional			
Chimney draft measurement			•
Fine pressure measurement			•
Gas burner adjustment			
Device connection pressure (flow pressure)			✓
Nozzle pressure (flow pressure)			
Gas operation pressure (plant pressure)			
Static pressure			
Check of pipelines			
Tightness check according to TRGI (150 hPa)			✓
Stress test according to TRGI (1 bar)			
Leak rate measurement in relation to usability test according to TRGI			
Blower pressure			✓
Check of water pipelines (wet or dry)			
Tightness check of compression connectors (6 bar)			•
Tightness check according to DIN EN 804-4 - drinking water resp. air pressure (up to 11 bar)			
Wastewater system testing in accordance with DIN 1610			•
Check of liquid gas pipelines			
Tightness check according to TRF (150 hPa)			•
Strength test according to TRF (1 bar)			
Check of heating plants according DIN 18380			•
2,5 or 3 bar according to response pressure of safety valve			
4 Pa test			•
Flow measurement			•
Parallel measurement by second pressure sensor			•
Range	Resolution	Accuracy	
0 - 1.500 hPa	0,1 hPa	3 % of the measured value (higher depending on the sensor used)	✓
0 - 20 bar	0,01 bar	0,5 % of the measuring range end value	•
0 - 40 bar	0,01 bar	0,5 % of the measuring range end value	•

Equipment

Pressure measurement	
External pressure sensor 0 - 20 bar	•
External pressure sensor 0 - 40 bar	•
Connections	
Connecting tubing 2.8 m with quick coupling	✓
Y-formed adapter	✓
Test plugs (1/2" - 3/4" , 3/4" - 1 1/4" , 1/8")	✓
Shut-off valve mini ball valve and quick coupling	✓
Silicone tubing 100 mm with quick coupling	✓
High pressure test plugs 3/8" auf 1/2"	✓
High pressure test plugs 3/8" auf 3/4"	✓
Connection piece with safety valve	✓
Gas measuring nozzle	•
Conical test plug	•
Cylindrical test plug	•
Temperature measurement	
T-room sensor 0-99 °C	•
Contact sensor for differential temperature measurement	•
Data processing	
Integrated high-speed thermal printer	✓
External memory via SD card	✓
Serial interface	✓
USB interface	✓
Data display / input	
LCD display, backlit	✓
Backlit keyboard	✓
Transport	
Hard-shell transport case	✓
Proof of conformity	
DVGW tested	✓

