

Hydrant test meter (portable)

Portable measuring device for rapid performance testing of above-ground and underground fire hydrants. It determines and documents static pressure, flow pressure and flow rate directly at the draw-off point – ideal for fire brigades, network operators, water utilities, municipalities and service providers



- Annual inspection of hydrants to ensure operability as a firefighting water source and compliance with fire-protection regulations
- Fast on-site measurement with clear key figures (static/flow pressure, flow rate)
- Documentation-ready for performance and condition records
- Rugged design for field use
- Compatible with pillar and underground hydrants; common connectors, e.g. Storz-B
- Optional: integration of a system separator/backflow preventer in accordance with DVGW practice
- Carrying handles and fold-out feet

Material	Aluminium alloy, glass-fibre reinforced plastic
Max. operating pressure	16 bar / 230 PSI
Operating temperature	10 °C to 60 °C
Ingress protection	IP 65
Flow ranges	<ul style="list-style-type: none"> • DN 40 (1.5"): 100 l/min to 1,000 l/min inlet and outlet Storz C/52 Part No.: 31955 • DN 65 (2.5"): 300 l/min to 2,500 l/min inlet and outlet Storz B/75 Part No.: 31956 • DN 80 (3"): 500 l/min to 3,000 l/min inlet and outlet Storz B/75 Part No.: 31957 • DN 100 (4"): 1,000 l/min to 5,000 l/min inlet and outlet Storz A/110 Part No.: 31958
Measuring accuracy	approx. 1 – 1.5 % (within the measuring ranges)
Flow display	<ul style="list-style-type: none"> • l/min or GPM (factory preset on order), graphic display • m³/h or m³, graphic display
Pressure display	bar or psi (factory preset on order)
Power supply	Lithium-ion battery 3.7 V / 1,800 mAh, with mains charger
Accessories (order separately)	<ul style="list-style-type: none"> • Bluetooth 2.1 • RS485 / RS232 data transmission • Car cigarette-lighter charger (optional) • Pressure breaker • Suitable flow-straightening (calming) sections for inlet and outlet

Measured variables

- Static pressure: line pressure without draw-off
- Flow pressure: pressure during draw-off
- Flow rate (l/min): delivery rate of the hydrant at a defined pressure
- Minimum residual pressure: verification value for assessing network security

Standards & practical reference

- DVGW W 405 / W 392: Provision of firefighting water via the drinking-water network (planning / fundamentals) and test intervals
- DVGW W 405-B1: Draw-off by the fire brigade incl. requirements for drinking-water protection (system separator / backflow prevention)
- DIN EN 14384 / DIN EN 14339: Product standards for pillar and underground hydrants (requirements / tests)
- DIN 14462: Planning, operation and inspection of non-public firefighting water systems (e.g. in buildings) | annual testing and documentation requirement

Note: The device is intended for measurement and documentation; evaluation is based on the above standards and/or local utility requirements.

Category	Flow rate	Simultaneous operation	Min. flow pressure	Max. flow pressure	Max. static pressure
Wall hydrant S	24 l/min	2	2 bar	8 bar	12 bar
Wall hydrant F	100 l/min	3	3 bar	8 bar	12 bar
Wall hydrant F	200 l/min	3	4.5 bar	8 bar	12 bar
Pillar hydrant DN80	800 l/min	According to fire-protection concept		8 bar	12 bar
Pillar hydrant DN100	1,600 l/min	According to fire-protection concept	1.5 bar	8 bar	12 bar
Underground hydrant DN80	800 l/min			8 bar	12 bar