



TECHNICAL DATA SHEET

MAG-FLUX® HTL PORTABLE HYDRANT TESTER

FOR THE MEASUREMENT OF FLOW, PRESSURE,
TEMPERATURE AND TURBIDITY

(BATTERY POWERED INCL. DATA LOGGER)

To check the quantity of extinguishing water per hydrant according to **DVGW worksheet W405** and **DIN 14462:2023-07** and implementation of flushing (according to drinking water guidelines).



- » including 5 point calibration certificate
- » free flow (no additional pressure losses)
- » including pressure sensor, optional temperature and turbidity¹⁾
- » including data memory for 2 000 000 measured values
- » data transmission via Bluetooth®
- » 5 inch LCD, illuminated
- » great stability
- » measuring accuracy: ±0.5 % of the measured value (flow)
- » operating pressure P_o: -14.5 ... 232 psi (-1 ... 16 bar)
- » temperature of medium: 39.2 ... 104 °F (1 ... 40 °C)
- » protection class IP54
- » Free first recalibration at the factory within 2 years incl. calibration certificate.
- » Calibration stands are equipped with reference instruments according to EN 17025.



¹⁾Preparation for separate turbidity measurement HTL TE / TU

Model	Description	Flow rate			Weight (lbs)
		(m³/h)	(l/min.)	(gpm)	
» HTL050	» Storz C (nominal diameter DN 50 / 2"), rotatable	» 0 ... 85	» 0 ... 1 413	» 0 ... 373	» 32.5
» HTL065	» Storz B (nominal diameter DN 65 / 2½"), rotatable	» 0 ... 143	» 0 ... 2 390	» 0 ... 631	» 32.5
» HTL065/BS336	» BS336 (nominal diameter DN 65 / 2½"), rotatable	» 0 ... 143	» 0 ... 2 390	» 0 ... 631	» 32.5
» HTL080	» Storz B (nominal diameter DN 80 / 3"), rotatable	» 0 ... 217	» 0 ... 3 619	» 0 ... 956	» 32.5
» HTL100	» Storz A (nominal diameter DN 100 / 4"), rotatable	» 0 ... 339	» 0 ... 5 655	» 0 ... 1 493	» 45.0
» HTL100/FR	» Guillemin (nominal diameter DN 100 / 4"), fixed	» 0 ... 339	» 0 ... 5 655	» 0 ... 1 493	» 45.0
» HTL150	» Storz 150 (nominal diameter DN 150 / 6"), rotatable	» 0 ... 763	» 0 ... 12 723	» 0 ... 3 361	» 70.5

Optional to pressure and flow measurement:

TE temperature measurement for DN 50 ... DN 100

TE / TU temperature- and turbidity measurement (preparation) for DN 50 ... DN 100

Technical Data Sheet

TURBIDITY MEASUREMENT

CONTINUOUS TURBIDITY MEASUREMENT IN COMBINATION WITH FLOW, TEMPERATURE AND PRESSURE MEASUREMENT



For the water industry it is possible, especially during flushing campaigns, to determine the FNU values by means of separate turbidity measurement and thus to adapt the flushing strategy efficiently and in a resource-saving manner.

- » continuous turbidity measurement
- » combination with flow- and temperature measurement
- » ISO 7027 compliant: 90° scattered light and 180° transmitted light measurement
- » accuracy $\pm 1\%$ from measuring range
- » pressure max. 87 psi (6 bar)
- » temperature of medium 41 ... 140 °F (5 ... 60 °C)

Model	Description	Weight (lbs)
» HTLTU050	» Storz C (nominal diameter DN 50 / 2") - FNU values 0.1 ... 100 (incl. hose coupling 1.64 inch / 0.5 m)	» 24.2
» HTLTU065	» Storz B (nominal diameter DN 65 / 2½") - FNU values 0.1 ... 100 (incl. hose coupling 1.64 inch / 0.5 m)	» 26.4
» HTLTU080	» Storz B (nominal diameter DN 80 / 3") - FNU values 0.1 ... 100 (incl. hose coupling 1.64 inch / 0.5 m)	» 26.4
» HTLTU100	» Storz A (nominal diameter DN 100 / 4") - FNU values 0.1 ... 100 (incl. hose coupling 1.64 inch / 0.5 m)	» 34.2

APP WASSERKARTE.INFO

DATA TRANSMISSION VIA BLUETOOTH® FROM THE HYDRANT TESTER TO THE MOBILE DEVICE VIA APP

incl. „Basic measurement software package „* (incl. support and upgrades for one year) after registration (within 3 months of purchase).

More Information: <https://wasserkarte.info/mecon-aktion/>



The measuring process can now be controlled not only by the easily readable display but also by the practice-proven app from wasserkarte.info. All measured data for pressure, flow, temperature and turbidity are transmitted live from the hydrant tester to the app. The measuring protocols as well as diagrams are displayed directly as preview. **The holistic solution for hydrant maintenance from documentation, planning, localization, performance to maintenance.**

Visit the website of the company: www.wasserkarte.info



Technical Data Sheet

PRESSURE REDUCER (FLUSH BOX)

FOR THE SAFE FLUSHING OF HYDRANTS



- » material from stainless steel
- » stable standing, even at high flow rates
- » max. to 1493 gpm (339 m³/h / 5 655 l/min.) - Storz A
- » no pressure losses and back pressure
- » no recoil forces
- » no washout on unpaved ground
- » no danger for the environment
- » clean and space saving

Model	Description	Weight (lbs)
» HTLDV050	» pressure reducer Storz C (incl. hose coupling C to B) - max. 956 gpm (217 m ³ /h / 3 619 l/min.)	» 13.6
» HTLDV080	» pressure reducer Storz B - max. 956 gpm (217 m ³ /h / 3 619 l/min.)	» 13.0
» HTLDV100	» pressure reducer Storz A - max. 1 493 gpm (339 m ³ /h / 5 655 l/min.)	» 19.6

REGULATION VALVE



Model	Description	Weight (lbs)
» HTLAR050	» connection Storz C (DN 50)	» 3.5
» HTLAR080	» connection Storz B (DN 65/80)	» 7.7
» HTLAR100	» connection Storz A (DN 100)	» 15.4

TRANSPORT CASE

- » high-strength transport case for the hydrant tester or turbidity sensor
- » dust- and waterproof acc. to IP67, incl. automatic pressure compensation valve
- » ultra-high strength polypropylene resin material
- » incl. hard foam inlay for optimal protection and fastening options for padlocks



Model	Description	Outer dimension (mm)	Weight (lbs)
» HTLTC	» transport case for HTL up to DN 80	» 555 x 428 x 306	» 13.4
» HTLTC100	» transport case for HTL in DN 100/150	» 687 x 528 x 366	» 23,1