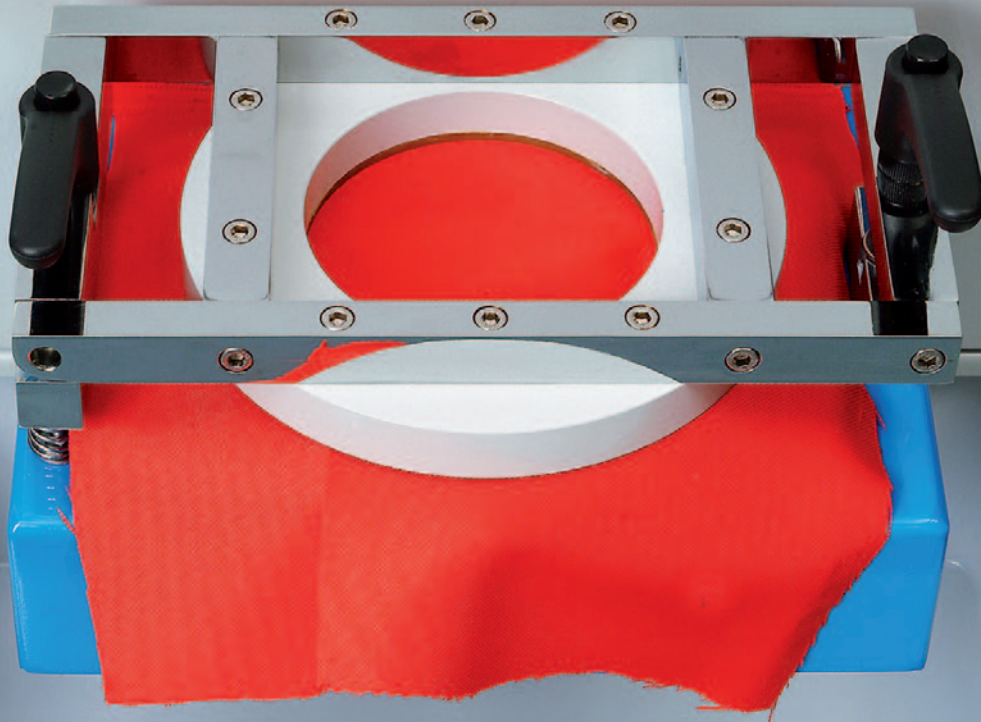


HYDROSTATIC HEAD TESTER - WATER PERMEABILITY TESTER

WATER PROOF



The **Water Proof** is conceived to analyse the water permeability under static and dynamic testing conditions of a wide range of textile materials. It indicates and displays the water column pressure at the moment in which the first water drops appear on the fabric's surface.

Suitable to:

- test and rate the water permeability limits of different materials
- establish the minimum pressure that induces water passage through the specimen
- measure the time (duration) of impermeability under a known, fixed, pressure

WATER PROOF

CODE 3241D

Main features:

- tests quickly and accurately water permeability and resistance to water penetration on a variety of materials, such as fabrics for garment, technical and coated fabrics, nonwovens, etc.
- conforms to both dynamic method (EN ISO 20811 Standard), and static method (UNI 5123 standard),
- standard test area is 100 cm². Available other optional test areas (10 cm², 26 cm² and 28 cm²) for testing small samples following wear/abrasion tests.
- equipped with a touch screen display. It shows all info and allows to manage all selectable data of each test.
- with an optional built-in printer it is possible to print a report of each test on a paper strip.
- the electronic PLC can store the last 10 tests. With an optional software, it is possible to export data to Excel for further statistical elaboration.
- freely programmable water pressure speed setting making the Water Proof an ideal tool for R&D purposes.

Two models are available:

- regular **Water Proof**, Code **3241C**, measuring range: up to 10.000 mm/H₂O (precision of 1 mm)
- Hydrostatic Head tester **Water Proof Plus**, Code **3241D**, instrument endowed with two measuring scales:
 - 1st scale: pressure 0-1,000 mm/H₂O (precision 1 mm), suitable for regular fabrics
 - 2nd scale: pressure 0-20,000 mm/H₂O (precision 10 mm), suitable for performance fabrics, technical fabrics, coated fabrics, non-wovens, etc.

The Water Proof Plus is supplied complete with pneumatic specimen closure.



Code	Increasing speed water column cm/min	height water column		reading sensibility mm	Test area	
		m	mm		cm ²	Code
3241C	2, 10, 60 [continuous 1 – 100]	10	9999,0	1	100	standard
					10	3241C.6
					26	3241C.8
					28 EDANA 120.2-02	3241C.10
3241D	2, 10, 60 [continuous 1 – 100]	1	999,9	1	100	standard
		20	19.990,0	10	10	3241D.6
					26	3241D.8
					28 EDANA 120.2-02	3241D.10

OPTIONAL

Adjustable halogen lamp, for a better vision during visual check of water dropping	Code 3241.4
Calibration report of pressure transducer	Code 3241.CC1
Calibration report of cup diameter	Code 3241.CC2
Test area 10 cm ²	Code 3241D.6
Test area 26 cm ²	Code 3241D.8
Test area 28 cm ²	Code 3241D.10
Mini printer	Code 3241D.2
Software for data management	Code 3241D.12
CONTROL LAB: Laptop (Code 2532.150), or - as alternative - Personal Computer (Code 237.92); Software , Office for Windows (Code 250.6); Monitor (Code 250.300); Ink Jet Printer (Code 250.4); UPS - Uninterruptible Power Source (Code 2341.900)	

REFERENCE STANDARDS

EN ISO 20811, UNI EN 1734, DIN 53886, AFNOR G-07 057, ISO 811, BS 2823, BS 3424 part 26, AATCC 127, ISO 1420-A, UNI 5123, EDANA 120.2-02.

TECHNICAL FEATURES

- Digital display for water column pressure reading: mm/H₂O
- Water column Pressure increasing rate: 60 cm/min, 10 cm/min., 2 cm/min. (standards UNI/EN/AATCC/DIN/AFNOR/etc.) or continuously, from 1 up to 100 cm/min
- Max duration time of static test: 6.000 minutes (100 hours)
- Max sample thickness: 30 - 50 mm
- Water loading under the specimen for filling the test cup without air bubbles
- Test cup water drain by ball valve
- Water reservoir capacity: 5 litres
- Unit built in stainless steel

DIMENSIONS / POWER SUPPLY

Weight: 80 kg
Dimensions: (L) 540 x (W) 540 x (H) 1700 mm
Power supply: 115 Vac, 60 Hz, or 230 Vac, 50/60 Hz, single-phase

Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding