



QUANTUM 10

10 kN Advanced Universal Testing Machine

The 10 kN Quantum is the product of state of the art design, built to the highest quality levels and has many advanced technical features.

Programming tests and monitoring results can be controlled through our powerful and Intelligent LabTest test software, which allows complete and accurate data management in accordance with European, North American and International Standards.

This instrument can be used both in production lines, where the operator has to be fast and efficient and can accurately control the test with the optional remote control unit, and also laboratory environments, where the advanced software lets users analyse the test data.

LabTest allows full control of processing, filing, managing, and transmitting data to the company network, database, and performs many other functions.

This Quantum frame has a flexible and modular construction. It can be equipped with various grips and fixtures, as well as extensometers, additional load cells, temperature chambers and many more accessories, for a wide range of applications (tensile, compression, flexure, etc.).

In addition, this user-friendly instrument can be fitted with additional load cells with lower capacities, providing the highest resolution and accuracy for micro-loads.

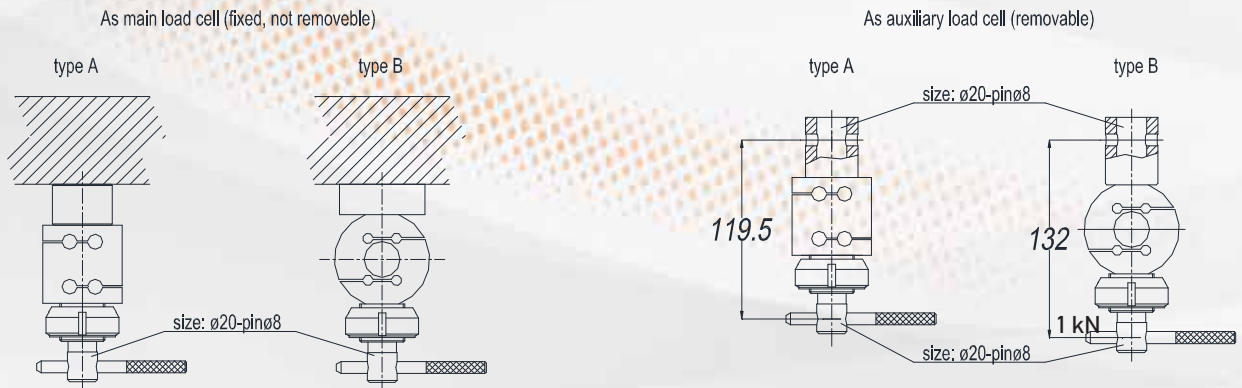


Universal testing machine Quantum 10 with Micron extensometer

Features:

- Two-column rigid system with 10 kN maximum capacity
- Suitable for metals, plastics, composites and other materials
- Stylish design and advanced features
- Ergonomic design; 4.0 instrument
- Flexible and modular design for easy future development
- Key technical advantages include extremely high resolution of load and stroke readings, as well as minimum test speed of 0.0005 mm/min, for the high performance and most accurate results
- Manufactured by ISO 9001 and ISO 14001 Certified Company
- Excellent price-to-quality ratio

ITEM



AVAILABLE MAIN / AUXILIARY LOAD CELL ⁽⁷⁾

	TQ03.04.07 Standard ⁽⁸⁾	TQ03.04.01	TQ03.04.01.0A	TQ03.04.01.0B	TQ03.04.02	TQ03.04.03	TQ03.04.03.0A	TQ03.04.04	TQ03.04.05
Nominal size	5 kN	10 N	20 N	50 N	100 N	250 N	500 N	1 kN	2,5 kN
Max accidental overload ⁽⁹⁾ /breaking load	150% of nominal size / 300% of nominal size								
Type (see drawing)	Standard ⁽⁸⁾	A					B		
Kit for use aux. cell (sold separately) ⁽¹⁰⁾	-	TQ03.05.01 (generic code, correct load cell must be specified)							

⁽⁷⁾ The main load cell must have a capacity greater than all auxiliary cell in use. No limit in number of load cell. All load cell can work in compression and tensile and comes with connection. If certification is required, every load cell needs a different one.

⁽⁸⁾ Standard 5 kN load cell must be ordered separately in any case (not included in the item of the frame machine)

⁽⁹⁾ A new calibration of the load cell may be necessary if "max accidental overload" is exceeded.

⁽¹⁰⁾ The kit include female and male connection, pin and locknut (as in draw). Every auxiliary load cell need 1 kit.



Galdabini Spa
Via Giovanni XXIII, 183
21010 Cardano al Campo (VA)
Italy

T +39 0331 732700
F +39 0331 730650
info@galdabini.it
galdabini.it