

Testing, Experimentation and Quality Control Laboratory

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Dimensional control board MLS

Data Sheet



INSTRUMENT DESCRIPTION

Instrument for the determination of the caliber (length and width), of the orthogonality and of the straightness of tiles, flat plates and similar products.

Equipment constituted by a strong loom in steel, equipped of wheels for easy movement (equipped with mechanical brake); the frame has been designed to obtain a variable inclination from 5° to 90°, satisfying so all the needs of space and encumbrance. The aforementioned frame supports a plane (steel made) on which, materially, samples to be measured are positioned. Measurement takes place through systems that can be different: through Digital Comparators Mitutoyo (with possible card and software of data acquisition always Mitutoyo) or by Laser Sensors Panasonic (electronics Panasonic and software Main Laboratory

Sassuolo).

For the easy positioning of the measurers, the instrument uses linear guides with high precision and stability; it is also possible to equip the instrument with a direct measurer (vision sensor line) of the caliber (alternative to the comparator or sensor used in the traditional version); such measurer, equipped of special display device of the datum, makes the measure also without reference sample or zero resetting.

The instrument is supplied with magnetic "bands" which serve as an interface between the sample and the support plane.

APPLICABLE STANDARD

UNI EN ISO 10545-2, SASO ISO 10545-2, GSO ISO 10545-2, Annexe 9 Cahier 3778_V6 Juillet 2024, ASTM C499, ASTM C502

OPTIONAL

- Digital Comparators Mitutoyo, precision 0.01 mm (range 25 mm)
- System of data acquisition Mitutoyo, through card and business software Mitutoyo.
- Panasonic Laser sensors (reading range 50 mm); these sensors (as well as the Mitutoyo comparators) provide direct reading of the data, having a built-in digital display.
- Movement of the top (angle variation) by a special mechanism for adjustment and positioning
- Electric-electronic data acquisition panel, Panasonic components
- Data transmission through web server
- Data management and calculations, through software MLS

TECHNICAL SPECIFICATIONS

Supply voltage	230-240 V / 110-120 V
Power frequency	50/60 Hz
Dimensions	140 x 100 x 150 (L x l x H*)
Weight	150 Kg

- Version 1300x1300