Features and Performance Make Portable Roughness Tester the New Value Leader

Mitutoyo America Corporation announces availability of the new Surftest® SJ-411/412 portable surface roughness tester. Innovative features, high accuracy and competitive pricing make this instrument the new value leader in its class.

The Mitutoyo Surftest® SJ-411/412 provides a large, 5.7" color LCD touch screen for high visibility and enhanced operability. The instrument conforms to roughness standards JIS-B0601-2001, JIS-B0601-1994, JIS-B0601-1982, VDA, ISO-1997 and ANSI. After measurement is performed, a waveform with scale and ruler options is displayed for detailed analysis. The presentation corresponds to cissoidal calculations whereby one measurement can evaluate two different conditions. A simple contour analysis function is included (4 types: step, step amount, area and coordinate difference). In addition, a DAT (Digital Adjustment Tilting) function is included for easy work piece leveling.

The Surftest® SJ-411/412 enables statistic measurements of up to 3 parameters each for as many as 300 samples providing average, standard deviation, max, min, pass rate and histogram. Up to ten measurement conditions and the stored data can be called up, displayed and printed using a built-in thermal printer. Also, the SJ-411/412 can store up to 10 measuring conditions in its on-board memory.

The Surftest® SJ-411/412 supports a micro-SD card (option) for storage of up to 10,000 text data, 500 measuring conditions, 1000 measuring data, 500 images (BMP), 500 statistic data or auto-save up to the last 10 measuring data. Total and sectional measurement results can be displayed in addition to evaluation and BAC/ADC curves.

The SJ-411/412 includes 16 selectable languages. A maximum of 5 custom styli can be recorded and calibrated independently. The SJ-411/112's manual column stand works with three new optional accessories (auto set unit, tilting adjustment unit and X-axis adjustment unit) to assist in setup and to enhance operability.

The Surftest® SJ-411/412 provides SPC output; RS-232C and external SW connectivity is also supported while available Mitutoyo software packages make it easy to integrate the SJ-411/412 into high-level network environments for true enterprise-wide functionality. Security is managed via a password lock to restrict changes that could cause operation errors.

Mitutoyo Corporation is the world's largest provider of measurement and inspection solutions offering the most complete selection of machines, sensors, systems and services with a line encompassing CMMs (Coordinate Measuring Machines), vision, form and finish measuring machines as well as precision tools and instruments, and metrology data management software.

Mitutoyo's nationwide network of Metrology Centers and support operations provides application, calibration, service, repair and educational programs to ensure that our 6,000+ metrology products will deliver measurement solutions for our customers throughout their lifetime.

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