



NEWS

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Mitutoyo introduces world's first 0.1µm micrometer

(Aurora, IL) Mitutoyo America Corporation announces availability of its new, High-Accuracy Digimatic[®] Digital Micrometer – the first micrometer to offer 0.1µm resolution measurement. Now, high-accuracy measurement can be had in a convenient, hand-held tool.

The High-Accuracy Digimatic[®] Micrometer utilizes the Absolute[®] rotary sensor (patent pending) manufactured utilizing Mitutoyo's own high precision screw machining technology. This sensor reduces instrument error to $\pm 0.5\mu\text{m}$ to deliver high-accuracy with no trade-off in operability. The Absolute[®] system eliminates the need to reset the origin each time power is turned on thus enabling measurement immediately upon start-up. In addition, the measurement origin can be preset to any value within the display range to reduce set-up time and improve repeatability. The display can be zeroed at any position, making comparison measurement easier. Display resolution can be switched to 0.5µm if 0.1µm measurement is not required.

The Mitutoyo High-Accuracy Digimatic[®] Micrometer features an extremely rigid frame for stable measurement while a constant-force barrel/spindle mechanism eliminates the possibility of overspeed errors. Transference of body heat to the instrument is reduced by use of a heat shield (removable), minimizing errors attributable to thermal expansion while handheld measurements are performed.

(more)

Additionally, the Mitutoyo High-Accuracy Digimatic® Micrometer supports output to measurement data applications such as MeasurLink®, Mitutoyo's proprietary statistical-processing and process-control program which performs statistical analysis and provides real-time display of measurement results for SPC applications. The program can also be linked to a higher-level network environment for enterprise-wide functionality.

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. Contact Mitutoyo America Corporation, 965 Corporate Boulevard, Aurora, IL 60502. Phone: (630) 820-9666 Fax: (630) 820-2614 E-mail: info@mitutoyo.com Or visit our website at www.mitutoyo.com

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