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Press information

A class of their own: the MITUTOYO height measuring devices QM-Height and Linear Height

The Mitutoyo height measuring instruments Linear Height LH-600 and QM-Height are already considered reference models in their class. They are capable of high-accuracy 1D or 2D height measurements, respectively, and offer one of the highest quality levels available on the measuring instruments market.

Neuss, March 2016. Equipped with an ABSOLUTE scale and acting according to the electromagnetic-inductive measuring principle, the QM-Height guarantees an outstanding accuracy of $\pm(2.4+2.1L/600)$ μm plus length-dependent part. With unlimited speed, the device allows measurements of distances, inner and outer diameters, axis distances and heights in a single measuring process. The measuring ranges extend depending on the design up to 350 and 600 millimetres.

The type series comprising two versions is complemented by two models with pneumatic function. The air bearing support triggered on the handle ensures a smooth and effortless gliding of the QM-Height above the granite plate. The precise method of the device thus works with minimal effort. The operating unit boasts an extremely user-friendly, highly intuitive menu navigation.

An exceptionally sophisticated and highly functional MITUTOYO height measuring device is named LH-600. With an admissible length measurement deviation of $\pm(1.1+0.6L/600)$ μm , the LH-600 height gauge offers an excellent level of precision. All data processing functions required for one- and two-dimensional height measurements and their analysis are included.

The Linear Height LH-600 is provided with a generous 14.5 cm TFT-LCD colour display. Many basic statistics functions are already integrated into the device. Plus, it offers the option of creating individual part programs. In addition, the RS-232C data output permits an external evaluation of measurement data with SPC software on a PC. The gathered measuring data can be transferred to an Excel sheet by use of an optional interface. The system itself offers sufficient storage capacity for 50 measuring programs or 60,000 measurements.

In addition, the unlimited transfer of measured values and parts programs onto USB flash drives of any storage capacity is possible.

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