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Press information

Workhorse of quality assurance: The new Mitutoyo 300 mm caliper with ABS scale and larger characters

The Digimatic caliper with a measuring range of 300 mm is amongst the most popular and best-selling products in the Mitutoyo range. Now the Japanese dimensional measuring instruments specialists launch of a new, revised version in two variants. The successors boast the ABSOLUTE AOS scale, better readability and a vastly enhanced battery life.

Neuss, March 2019. In all branches Mitutoyo Digimatic (digital) calipers are popular for their outstanding sturdiness and longevity, high accuracy, easy readout and comfortable handling. The version with a measuring range of 300 mm is a reliable workhorse for the everyday measuring tasks. Now Mitutoyo launches an enhanced new model in two versions that boast a number of profound improvements.

Thanks to the adoption of the electromagnetic induction-type ABS encoder, the new caliper can be used without concern for contamination on the scale face during measurement. Detection signal is not affected by dirt (water, oil, etc.) on the surface of the scale. By use of this encoder measurement can be started without any zero-setting after switch-on. However, the absolute origin position can be set, or reset, with the ORIGIN switch at any time.

To prevent visual fatigue and add to working comfort the designers of the new 300 mm caliper raised the character size of the display digits by more than 15 per cent to as large as 11 mm. Moreover, Mitutoyo accomplished to extend the caliper's battery lifetime by an enormous 33 per cent to 20,000 hours. In normal professional application this translates into a life period of roughly five years. If required, the battery can be changed without the need for tools.

As its predecessor, the new caliper is additionally on offer in a standard version and an ABSOLUTE COOLANT PROOF IP67 variant. As the name indicates, the latter features coolant protection as well as TÜV-Rheinland-certified ingress protection class IP67, predestining it for the use in harsh production environments where the handheld measuring devices are frequently splashed with water and coolant fluids or lubricants and exposed to dust.