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Press information

Top quality for effective automation: the new-generation MITUTOYO Signal ID-C indicator

The MITUTOYO Signal ID-C indicator has been renowned throughout branches for its outstanding quality, precision and adaptability into automation processes. Now the Japanese manufacturer releases an improved new generation.

Neuss, March 2016. Reliable, fast-reacting and accurate signal-type indicators are required wherever automated measurement is put into execution. For this reason the MITUTOYO Signal-ID-C indicators have been integrated into automated processes like workpiece sorting belts, measuring jigs or in continuous processes in production machines by many manufacturers for a long time. This type of indicators can transfer GO/+NG judgement results to external devices by a setting of the upper and lower limits.

Now the Japanese premium manufacturer of high-precision measuring equipment has released an all-new, vastly improved generation that boasts even higher quality and enhanced functionality.

The new generation comes in two different versions with digital steps of 0.01 mm and 0.001 mm for higher accuracy applications. Tolerance judgements can be set to three different upper/lower limits, the Signal output features a logical inversion function. Like the predecessor, the new model boasts a measurement range of 12.7 mm and an overall accuracy of 0.003 mm. A new feature is the analogue bar graph on top of the LCD, displaying a range of ± 20 scales for a quick optical check of the measurement result.

The new Signal ID-C is delivered with a four metres cable for connection to an external device as a standard. The wires have to be connected to a machine controller or any other external device. Made from oilproof resin as opposed to silicone rubber, the new Mitutoyo Signal ID-C indicator's operating buttons are sturdier than the predecessor's.

Like the current model, the new generation boasts an IP54 ingress protection class that predestines the instrument even for rough shop floor surroundings. An ABS electrostatic capacity encoder makes for reliable measurement results even in surroundings where dust and splashing water are omnipresent.