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## Press information

### **Comfortable, reliable and fast data transfer from measuring instrument to PC: the new U-WAVE**

**Space-saving at its best: The Japanese dimensional measuring instruments specialists Mitutoyo launch a new, small and lightweight, yet powerful wireless communication system for the transmission of measuring data from handheld measuring instruments to IT systems. The name of the new device is the motto: "U-WAVE".**

**Neuss, March 2018.** Wireless transmission of measuring data from the handheld measuring instrument to a computer has been state of the art for many years. Powerful, lightweight systems were a revolution where frequent measuring in production environments is necessary. These systems do not only set an end to cumbersome and accident-prone cable connections but also allow the connection of a multitude of measuring instruments with a single PC system.

Now Mitutoyo, the Japanese premium measuring instruments manufacturer, launches a newly designed system by name of "U-WAVE" for the transfer of Digimatic calipers' and micrometers' measuring results to a PC via a U-WAVE R receiver. This way, the data can directly be entered into statistical software applications like MS Excel. The transmission unit's dimensions are smaller than the instrument's display module's size. Flat and lightweight, the transmitter is placed on the backside of the instrument and, thus, does not interfere with the measurement process. The communication distance amounts to 50 metres outdoors and 20 metres indoors. U-WAVE adopts the latest 2,4 GHz ZigBee standard that ensures reliable and safe data transmission.

U-WAVE confirms any data transfer by a buzzer sound or lighting of an LED. For measuring in rough production environments where the handheld measuring devices are frequently splashed with water and coolant fluids or lubricants and exposed to dust Mitutoyo also offers an IP67 ingress protected version.

The new device, however, is not only extremely reliable but also very power-saving – and, thus, eco-friendly: U-WAVE can accomplish an enormous 400.000 data transmissions with one battery.