

PISeca Capacitive Displacement Sensor System

Extremely accurate PISeca position sensors in single-electrode design determine geometric quantities such as separation and position with sub-nanometer resolution.

PISeca single-electrode sensors from Physik Instrumente (PI) specialize in highly accurate, non-contact position measurement against electrically conductive references. The sensor probes are also very durable and have a very high long-term and temperature stability. Thanks to their high dynamic bandwidth of up to 10 kHz they are also suitable for the dynamic vibration



▲ **The E-852.10A1 allows a distance of 10 m between signal amplifier and main electronics**

measurement of machine and system components.

Where installation space is limited,

the signal processing electronics can now also be positioned at distances of 10 m or more from the actual sensor probe. The new version, the E-852.10A1, already contains all the necessary components: In addition to a highly linear signal amplifier it also contains a 10 m connecting cable to the actual processing electronics, and also a particularly low-noise power supply and all other necessary accessories.

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