

Contact Zone Gauge

NIP CON



Small and easy-to-operate device for measuring the nip width to set and control inking and damping rollers; naturally with two sensors for the simultaneous measurement of the left and the right side.

**Polygraphische innovative
Technik Leipzig**





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Working Principle

The signals of two sensors positioned between hard/soft paired rollers are evaluated. The width of the contact zone is digitally indicated as a measure commonly used in the printing industry for the adjustment of the rollers. For adjusting the settings, the sensors remain between the rollers so that the changes of the measured values can be read immediately. This ensures a very accurate roller adjustment without any ink film.

Dual-sided measurement, optical set-point control and input of roller parameters are the basis of fast and exact roller adjustment.



PITSID develops systems for the graphic arts industry together with the Sächsisches Institut für die Druckindustrie.

The current product assortment comprises devices for measuring and testing print registration, contact pressure, traction force, packing height, gap widths, UV curing, IPA concentrations, book block strength and also printing plate positioning in plate bending devices and roller adjustments.

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Technical Data

Measurement range

0 ... 20 mm

Resolution

0.1 mm

Application range

Roller diameter (hard): Any

Roller diameter (soft): ≤ 300 mm

Rubber hardnesses: Approx. 20 to 60 Shore A

Rubber thickness: Approx. 5 to 20 mm

Device dimensions

210 × 100 × 40 mm

Sensor dimensions

Approx. 140 × 22 × 0.5/3 mm

Weight

350 g

Operating temperature

15 °C ... 30 °C

Power supply

Battery operation: 6 x 1.5 V, Mignon type (AA)

Battery control

"Change battery" in the display indicates battery change needed

Scope of delivery

Measuring device including batteries and 2 sensors, carrying case, operating manual