

Gap Gauge

GAP CONTROL

Small and easy-to-operate device for the measurement of gaps between the surfaces of hard/hard paired rollers or cylinders. The device delivers measured values in micrometer resolution and replaces the time-consuming work with gauge blocks or feeler gauges.



Polygraphische innovative
Technik Leipzig





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Working Principle

A sensor fixed to a measuring wedge is inserted between hard/hard paired rollers or cylinders and records the contact position with the cylinder surface.

The cylinder gap is calculated and digitally indicated on the display. The cylinders are not moved during the measurement.

Application areas can also be the measurement of mechanically fixed edges that form a gap or slot.



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

- 1.8 ... 3.0 mm
- 2.8 ... 4.0 mm
- Custom measurement range upon arrangement

Resolution

0.005 mm

Measurement uncertainty

$\leq \pm 0.02$ mm for measurement range span of 1.2 mm

Application range

- Roller gaps – at least one cylinder with a diameter ≤ 500 mm
- Gap or slot widths

Device dimensions

210 × 100 × 40 mm

Measuring wedge dimensions

Approx. 220 × 26 × 7 mm

Weight

350 g

Operating temperature

15 °C ... 30 °C

Power supply

Battery 9 V

Battery control

"Change battery" in the display indicates battery change needed

Scope of delivery

Measurement device including battery, measurement wedge, German/English operating manual, carrying case

Option

Positioning handle and attachable weight for an optimal measurement when vertically positioning the measurement wedge