

# Traction Gauge

## TRAC CONTROL

Device for the measurement of the traction force present when pulling strips of material out from between two rollers. The calculated traction force parameters allow for the control and adjustment of the roller settings as well as for the quality assessment of the roller pairings.



Polygraphische innovative  
Technik Leipzig



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### Working Principle

One or more test strips of any material (max. 100 mm wide and max. 2.5 mm thick) are inserted between the rollers to be tested. The traction force can be measured on rollers which are rotating or also at a standstill. Diverse additional functions allow for the perfect use of the hand measurement device: integrated test strip clamping device, automatic zeroing function, choice of measurement mode single measurement/continuous measurement, choice of measurement duration, display of all significant traction force parameters: e.g. set point entry, set point signal optically/acoustically, hold function and angle display.



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 ... 30 N

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#### Resolution

0.1 N

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#### Application range

Measurement of the traction force on a strip of material for setting folding machine rollers and inking unit rollers of any rubber hardness and rubber layer thickness or for the transport rollers on processing machines

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#### Device dimensions

210 x 100 x 40 mm

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#### Measuring head dimensions

138 x 73 x 30 mm

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#### Weight

Device 450 g  
Measuring head 300 g

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#### Operating temperature

15° C ... 30° C

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#### Power supply

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

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#### Scope of delivery

Measurement device including batteries and measuring head, carrying case, operating manual