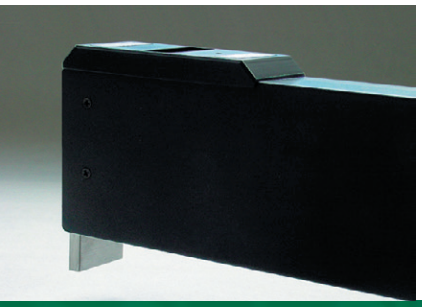
Packing Gauges
AMG S, M and L

Indicates the height of the blanket, plate or form cylinder surface (varnish, flexography, letterpress) above the bearer or the measuring ring straightforwardly and immediately. It can even be used when access to the cylinders is restricted and does not damage the blanket or plate.

PITSID

Polygraphische innovative Technik Leipzig



Scan here for product video.

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Working Principle

The easy to operate device is held with one hand and set on the cylinder surface. The height difference to the bearer or measuring ring is taken with the electronic measurement system. The measured value is fixed with the hold function and can be read outside the press.

Pressure differences during placement do not affect the measured result. The parallelism to the cylinder can be judged visually. The measurements can be made on any cylinder diameter. There are no damages of the blanket, the plate or the form cylinder. Due to the design of the AMG device, measurement inaccuracies caused by operator errors are virtually eliminated.

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PITSID develops, produces and sells measuring systems, supported by the Sächsisches Institut für die Druckindustrie. The measuring systems are used for quality control and to increase efficiency during adjustment and maintenance operations.

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Measuring Device for Determining the Packing Height

The Packing Gauge is a high-precision instrument developed for use in printing presses. For high-quality printing, the circumferences of the plate and blanket cylinders must match. If they do not, the blanket will squeeze and quality will be compromised. To ensure the correct circumferences with changing printing stock thicknesses, different packing sheets are applied.

In practice, the packing thicknesses are calculated beforehand and are subsequently installed. This can lead to the material thicknesses being incorrectly determined in the case of highly compressible materials, resulting in incorrect packing heights and poor print quality. With the AMG S, M and L measuring devices, determining the packing height in the printing units becomes a quick and easy routine. The previously complex and tedious measuring procedure is simplified and the time required is considerably reduced.

Technical Data

Measurement range

AMG S	-2.5 ... 2.5 mm / -0.0985 ... 0.0985 inch
AMG M	-1.5 ... 3.5 mm / -0.0985 ... 0.0985 inch
AMG L	-0.5 ... 13.5 mm / -0.0985 ... 0.0985 inch

Measurement uncertainty

AMG S	± 0.01 mm / -0.0005 inch
AMG M	± 0.01 mm / -0.0005 inch
AMG L	± 0.03 mm / -0.0005 inch

Device dimensions

AMG S	175 x 55 x 30 mm
AMG M	307 x 55 x 30 mm
AMG L	500 x 65 x 30 mm

Device weight
300 g (AMG S), 450 g (AMG M), 650 g (AMG L)

Application range
Measurement of the packing at blanket, offset plate cylinders as well as flexography clichés (AMG L)

Operating temperature
15 °C ... 30 °C

Hold function
Measured value saving with stop/go-button

Selection of measurement units
With the mm/inch button

Self-calibration
Possible with 0.00 button by operator

Scope of delivery
Measuring device including battery, carrying case, operating manual