

High accuracy gauge with controllable measuring force

- Magnetic principle
- High accuracy: $\pm 2 \mu\text{m}$
- Resolution: $0.5 \mu\text{m}$
- Measuring range: 110 mm / 4.33"
- Reduced measurement error
- Precision dual spindle support allows a smooth spindle motion and virtually error free measurements.
- Reduced measuring force
The measuring force can be reduced to a minimum of 0.3 N in three selectable steps using the measuring balancer (option). The force is maintained constant regardless of spindle movement direction.
- Soft spindle return
A braking mechanism reduces spindle return speed, eliminating the danger of damaging either the surface plate or the workpiece.

Specifications

Model	DG110B
Measuring range	110 mm / 4.33"
Resolution	0.5 μm
Accuracy (at 20 °C /68 °F)	$\pm 2 \mu\text{m}$
Measuring force*	Downward : 1.55 \pm 0.15N
Mounting stem diameter	$\varnothing 20_{-0.03}^0$ mm
Operating temperature	0 °C to 50 °C /32 °F to 122 °F
Storage temperatur	-10 °C to 60 °C / -4 °F to 140 °F
Cable length	2 m/6.56'
Lift lever	DZ161 (supplied)
Mass (excl. cable unit)	1.15 kg / 2.54 lbs
Feeler	Feeler tipped with 2.5 mm dia. carbide ball with M2.5 x 0.45 screw on fitting end (DZ121)
Lift lever	DZ161

*The measurement force values given apply when the DZ-581 measuring force balancer is not used.



Dimensions

