

## Mitutoyo

### Absolute dial indicator 0.01 mm reading, Measuring range: 12,5mm



#### Order data

Order number	434065 12,5
GTIN	4946368850153
Item class	44A

#### Description

##### Version:

A multifunctional standard dial indicator. Reliable and easy to use.

- **Bidirectional communication is possible, e.g. for parameterisation via PC (Digimatic S1 interface).**
- **With ABSOLUTE system. One-off setting of the start position, which remains the absolute zero point until the battery has to be replaced.**
- **Easy reading of the values due to a large digital/analogue display.**
- **Model available with digital digit increments of 0.5 µm.**
- **Simple calculations and peak value identification are possible.**
- **Equipped with a warning function for the calibration plan.**
- **The GO/±NG assessment is performed by adjusting the upper and lower tolerance.**
- **Alarm for low voltage, setting error, sensor error, display overflow etc.**
- **Display can be rotated 330°.**
- **A function lock protects the dial indicator against unauthorised use.**

##### Function:

IP42: Protected against water falling obliquely (dripping water) up to 15° relative to normal operating position and protected against penetration by foreign bodies with  $\varnothing > 1$  mm  
However, tools and wires should be kept away.

##### Cutting data:

- **Absolute linear encoder with electrostatic capacity.**

- **Measuring frequency (MAX/MIN/RANGE): 50× per second.**
- **Shank diameter: 8 mm.**
- **Measuring probe: carbide ball, thread M2.5×0.45.**
- **Battery life: approx. 2700 hours with continuous operation.**

**Supplied with:**

Digital dial indicator including 1 pc. CR2032 battery.

**Optional extras:**

Data cable No. 497081, spare and special contact points No. 434900; 434910; 434915.

## Technical description

Thickness of housing	38.1 mm
IP Index of Protection	IP 42
Power supply	Battery-powered
On/Off switch	yes
Number of batteries contained	1
Body Ø	59 mm
Clamping shank Ø h6	8 mm
Gauging force	≤0.9 N
Clamping shank length	17 mm
Calibration	C1
Measuring range	0 - 12.5 mm
Battery type	Button cell
Article no of the battery / rechargeable battery fitted	081560 CR2032
Measurement variation E MPE (measurement range)	0.02 mm
Scale divisions	0.01 mm
Standard	Works standard
Height of numerals	11 mm
Display backlit	no
Interface	USB interface
Interface	USB interface
Measured value saving	Once-off setting of the zero position
Preset function	yes

Measurement technology	digital
Type of product	dial gauge

**Services**

DAkkS calibration Dial indicator analogue 0.01 and digital 0.01 / 0.001 maximum measuring span 12,5 mm	023010 12,5
Calibration Dial indicator analogue 0.01 and digital 0.01 / 0.001 maximum measuring span 12,5 mm	023000 12,5