eBore™

Digital Display

eBore Digital Readout Module

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Contents

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eBore Digital Readout Module

This precision boring tool can be operated optionally with the electronic positioning system with digital readout module.

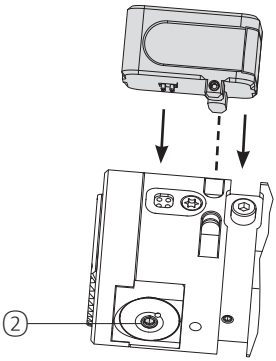


Fig. 1

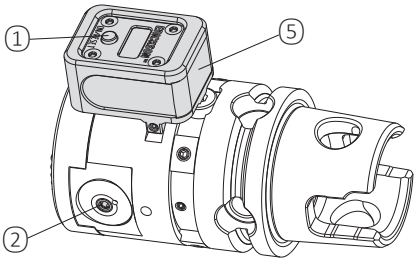


Fig. 2

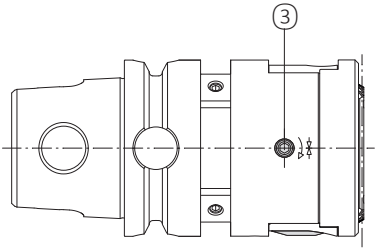


Fig. 3

Please follow the sequence for setting the diameter as set out below:
(Fig. 1, 2, 3):

1. Clean coupling and contact points on tool and display unit
2. Clip display unit into holding grooves provided in tool (positioning to match contact points, Fig. 1)
3. Switch on the digital readout module by operating the “ON/Reset” ① button. The last displayed increment value appears on the display when it is switched on. Automatic switch-off takes place 30 seconds after the end of the setting procedure. Max. switch-on period 120 seconds.
4. Release threaded clamping pin ③ (Fig. 3).
5. Adjust the boring range with the adjusting screw ② (Fig 12, 2) using a hexagon wrench WAF 2.5 and reading-off the display at the same time. The actually set value for the diameter at the slider or the cutting edge is displayed. Note the following:
   No preceding sign = diameter increase, negative preceding sign (–) = diameter reduction.
6. Tighten threaded clamping pin ③ (Fig. 3) (tightening torque 3 Nm (26.55 in. lbs.))
7. Remove display unit from tool

Notes:

- When the display is switched on, this can be reset to “0” by operating the “ON/Reset” ① again.
- The difference from the previously set value or 0 is always displayed. The absolute slider position cannot be displayed.

Notice:
A spindle may only be started after the display unit has been detached from the tool.

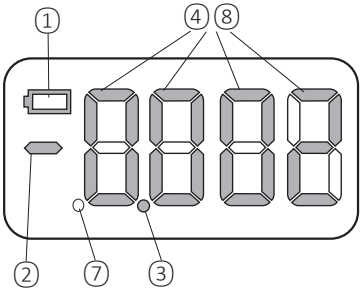
The display unit is equipped with a safety device. If the spindle is started with the unit still attached, the display unit drops off at a low speed. For reliable operation, the coupling position must be kept clean at all times.
In the event of any impairments or noticeable problems the display unit may not be used. In such an instance, contact the manufacturer.

Description of the metric display

① Battery charge display (Low battery)
② +/– sign
③ Decimal comma
④ Value displayed in mm

Description of the inch display

① Battery charge display (Low battery)
② – sign
⑦ Comma for inch display
⑧ Value displayed in inches



Battery change (Fig. 2, 4)

The integrated battery has a service life of approx. 5000 setting cycles. We recommend keeping spare batteries close to hand (Battery type VARTA Cr 2032). When the "Low battery" symbol appears on the display, the batteries will last for about another 50 setting cycles. If, when switching on, the display shows fault code E-99 and "Low battery" flashes on and off, the battery is spent and it has to be replaced. To replace, pull the battery compartment ⑤ (Fig. 2, 4) out of the display unit, remove old battery and dispose of properly. Insert new battery in correct way Fig. 4. Then slide battery compartment all the way back into the display unit.

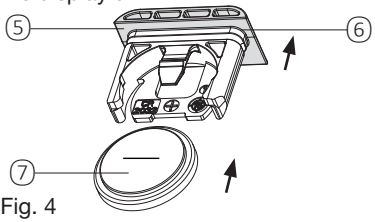


Fig. 4

Technical data

- The integrated electronics comply with protection class IP 65
- Digital display resolution: 0.002 mm in dia.
- Storage temperature: – 10 °C to + 65 °C.
- Operating temperature: + 10°C to + 40°C.

Maintenance

No maintenance required.
Replace the batteries as required.

Spare part

Battery CR2032 ⑦
Sealing ring ⑥ (battery compartment cover ⑤)

Fault rectification

Fault code		Possible reasons	Fault rectification
E-01	Contacting	Display unit and tool not correctly connected	Connect display unit, check connection, clean, if necessary
E-02	Short circuit	Short circuit in electronic connection	Check connection, clean contacts if necessary
E-99	Battery	Battery spent	Replace battery