

# ME-E

## PRODUCT-INFORMATION Electrical Marking Unit

- Small dimensions
- Precise, adjustable positioning
- Quick, tool-free engraver unit exchange
- Operating voltage of 6 to 42 V (DC)

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## A SMALL UNIT WITH A BIG IMPACT

### Application

The impressive new marking (board marker probe) unit is a high-quality product with an extremely small, compact design. Numerous innovative functions allow even easier handling to mark various surfaces reliably.

### Features

- **Small dimensions**
- **Precise, adjustable positioning**  
Due to the extremely small external dimensions and the precise, adjustable positioning via the continuous outer thread, a high degree of flexibility and significant space saving is achieved in fixture customisation.
- **Quick, tool-free engraver unit exchange**  
The design of the exchangeable engraving unit, enables worn units to be exchanged quickly, easily and without the need for tools
- **Operating voltage from 6 to 42 V (DC) with reverse polarity protection**  
The wide range input with reverse polarity protection ensures simple and safe use with all common test systems.
- **Non-destructive detachable voltage connection**

### Technical data

#### Mechanical data

- Outer dimensions (D x L):  $\varnothing 8 \times 53$  mm
- Outer thread: M8 x 0.5 (Nut SW 10)
- Recommended working stroke: approx. 1.0 mm
- Maximum stroke: approx. 1.6 mm
- Recommended marking impulse: approx. 1.0 s
- Force at working stroke: approx. 3.0 N
- Marking head: cutting engraver
- Engraver material: solid carbide
- Engraver hardness: approx. 1.600 HV
- Marking: circle approx.  $\varnothing 2.0$  mm
- Operating temperature range: + 10 °C to + 60 °C
- Weight: approx. 0.012 Kg
- Load cycles: approx. 300,000 (lab conditions)

#### Drive system data

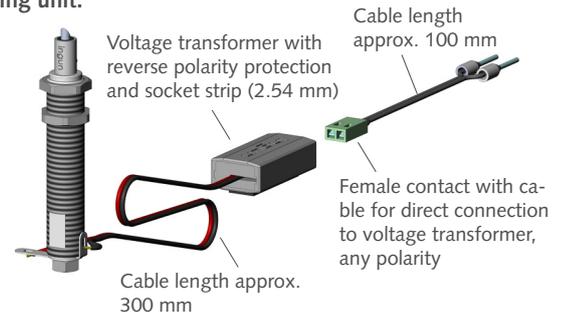
- Drive system: electric geared motor
- Operating voltage: 6 to 42 VDC
- Rated output: 0.12 W
- No load current: 5 mA @ 12 VDC
- Maximum constant load current: 10 mA @ 12 VDC
- Maximum torque: 29 mNm
- Idle speed: approx. 2.3 U/s
- Noise emission: < 55 dB

### Ordering information

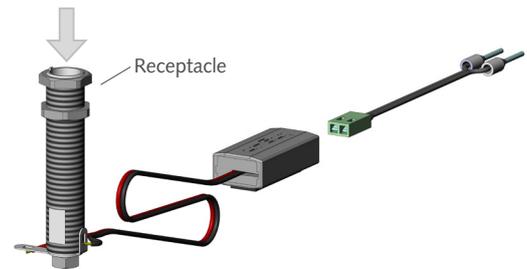
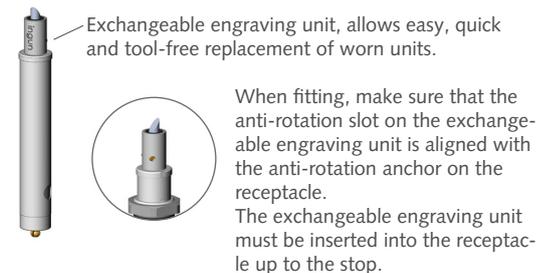
Part no.	Designation	Description
Electrical marking unit (ME-E)		
107376	ME-E-S2,0-08-053-BL6V-42V	Complete marking unit incl. receptacle, voltage transformer and socket strip
<b>Accessory</b>		
107374	ME-E-S2,0-07-050-SK3V	Exchangeable engraving unit, spare part exclusively for use with original INGUN receptacle and voltage transformer.
108441	ADH-ME-M8-M12-SW14	Adapter sleeve (DI: M8x0.5, D <sub>A</sub> : M12x1, H: 9.5 mm, SW 14) for installing marking unit in a M12x1 threaded borehole.

### Function and assembly

#### Marking unit:



#### Exchangeable engraving unit:



#### Adapter sleeve:

