

ME-E

PRODUCT-INFORMATION Electrical Board Marker Probe

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

INGUN Prüfmittelbau GmbH
Max-Stromeyer-Straße 162
78467 Constance | Germany
Tel. +49 7531 8105-0
www.ingun.com

HIGH QUALITY PRODUCT - EXTREMELY SMALL DIMENSIONS

Application

The impressive new board marker probe (marking 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 engraving 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

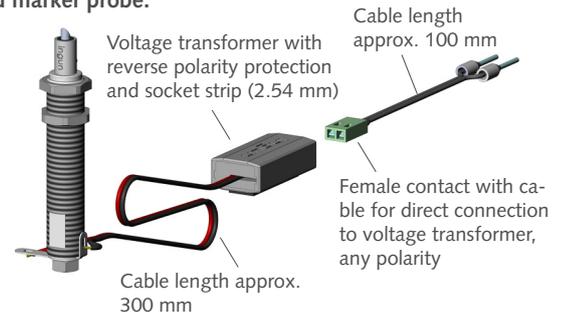
- Drive system: electric geared motor
- Operating voltage: 6 to 42 VDC
- Rated output: 0.12 W
- No load current: 5 mA @ 12 VDC
- Maximum constant load current: 10 mA @ 12 VDC
- Maximum torque: 29 mNm
- Idle speed: approx. 2.3 U/s
- Noise emission: < 55 dB

Ordering information

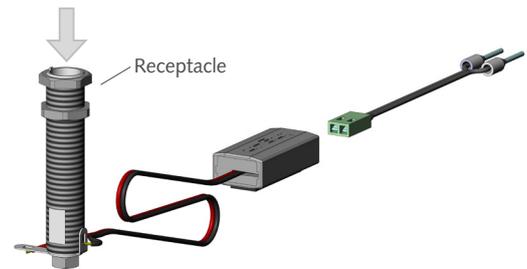
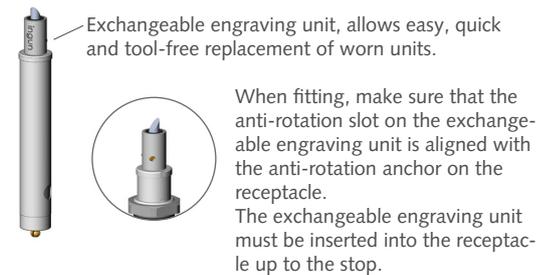
Part no.	Designation	Description
Electrical board marker probe (marking unit; ME-E)		
107376	ME-E-S2,0-08-053-BL6V-42V	Complete board marker probe incl. receptacle, voltage transformer and socket strip
Accessory		
107374	ME-E-S2,0-07-050-SK3V	Exchangeable engraving unit, spare part exclusively for use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

Design and function

Board marker probe:



Engraving unit:



Adapter sleeve:

