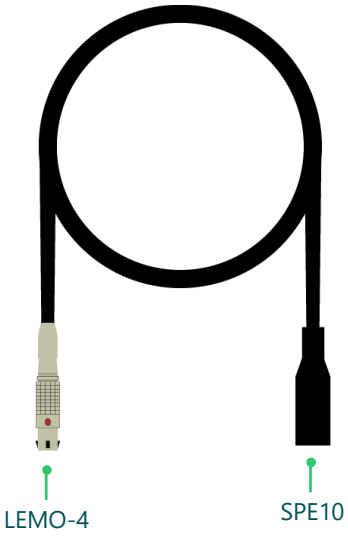
Technical Datasheet

SPE10-LM4-CABLE



General Description

Product name:	SPE10-LM4-Cable
Product part number:	ZP4000404
Revision number:	v0.2

Product Description

The SPE10-LM4-Cable provides the interface between the AnaPot potentiostat and external electrochemical sensors in the form of Screen-Printed Electrodes (SPE) with Working (WE), Counter (CE), Reference (RE) electrodes, and an additional Ground (GND) connection. The cable is terminated with a 4-pin LEMO connector.

Materials

LEMO-4 CONNECTOR
Brass with Nickel and Chrome plating

CABLE JACKET
PUR, halogen-free

INSULATION
PP, halogen-free

CONDUCTOR
Copper

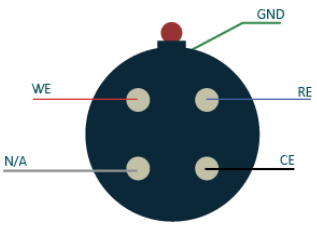
SPE CONNECTOR PINS
Copper Alloy

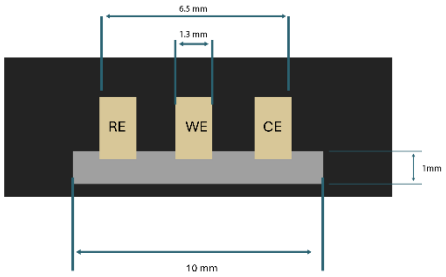
SPE CONNECTOR CASING
PBT and Nylon

Dimensions

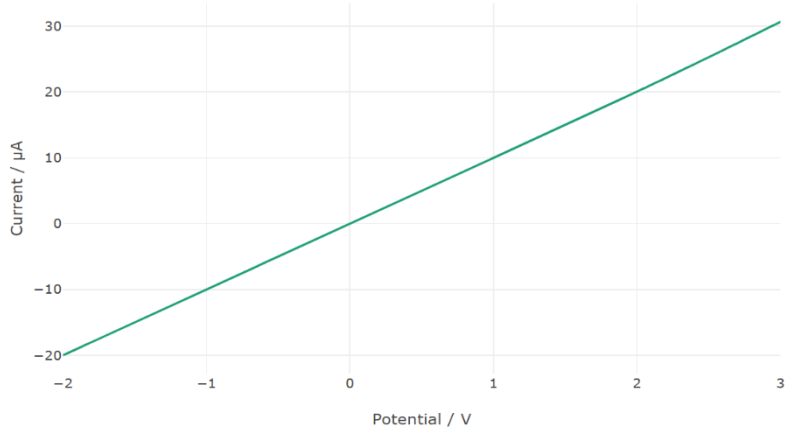
Total Cable Length	815 ± 15 mm
Cable Diameter	4.8 mm
Max SPE width	10 mm
Max SPE thickness	1 mm
Weight	41 ± 1 g

LEMO-4 and SPE10 Pin Configurations





Performance



An example verification curve is shown for an applied potential sweep from −2 V to +3 V and a current range of 10 nA to 10 mA, measured using a 100 kΩ validation resistor. The cable may be operated beyond the potential and current ranges presented; however, electrical performance has only been verified within the stated conditions. Use beyond these conditions is at the user's discretion and has not been validated.

For the most convenient usage, we recommend using the cable with ZP-supplied singulated sensors.

Components and Hazards

This product does not require material disclosure under applicable regulations.

Storage

Recommended to store in an ESD safe environment, 2-35 °C temperature and 20-50% RH.

Disclaimer

Please note that this product is intended solely for research and development applications. It is designed to be utilized specifically in electrochemical test setups.

For further information or to discuss specific application requirements, please contact ZP directly.