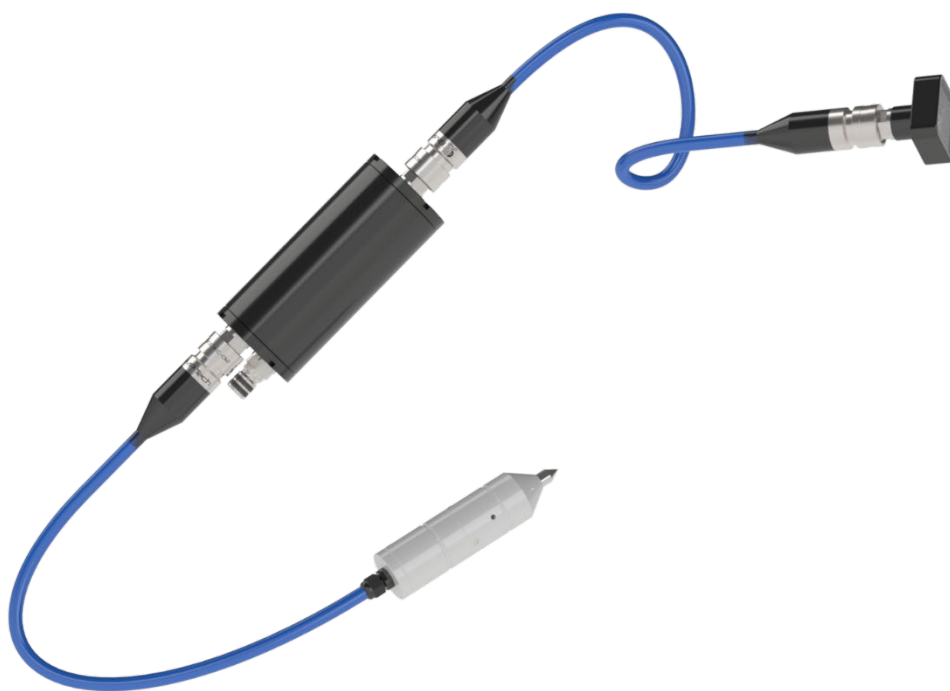


CPEL Meter

Model BCP-CPEL-001

DATASHEET



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CPEL Meter

MODEL BCP-CPEL-001



The model BCP-CPEL-001 CPEL METER, developed by BMPTECH, is designed to integrate into underwater inspection systems requiring high precision and reliability. This equipment meets the most stringent measurement requirements in submerged environments.

This model is an advanced underwater cathodic potential measurement system, specifically designed to meet the many integration needs of compact ROVs. It is one of the most comprehensive and versatile systems available on the market.

The system consists of an electronic bottle (BCP-VOLTMETER-001), a graphical display (BCP-DISPLAY-001), a charger (BCP-CHARGER-001) and either a contact probe (BCP-CONTACT-001) or a proximity probe (BCP-PROXIMITY-001).

Within the electronic bottle, the system features a high-precision voltmeter equipped with a 24-bit A/D converter, a CADDOCK resistor, and high-stability reference components, ensuring accurate readings up to 6 digits. Power is provided by a 6800mAh lithium battery, delivering over 36 hours of continuous operation.

Measurement data is exhibited on a high-contrast OLED graphical display with a viewing angle of over 160 degrees. Additionally, the data is transmitted to the surface using communication protocols such as RS232, RS422, or RS485, enhancing its versatility and compatibility with complex systems.

The CPEL METER model BCP-CPEL-001 is the ideal solution for underwater applications, offering superior performance, versatility, and precision.



CPEL Meter

MODEL BCP-CPEL-001

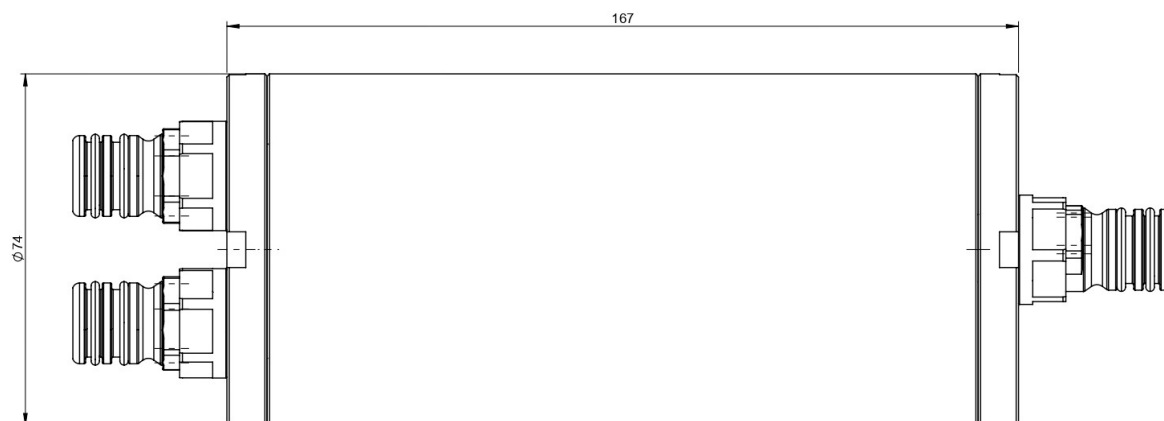
TECHNICAL SPECIFICATIONS



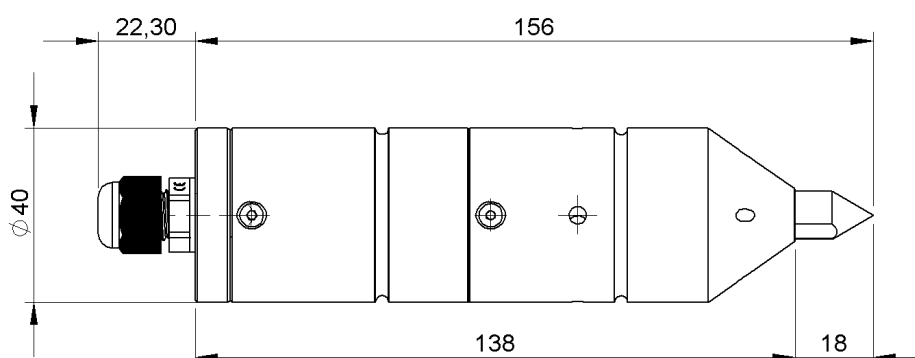
Electronic Bottle BCP-VOLTMETER-001	Electrical	Voltage	(12 to 48)VDC
		Consumption	Approximately 120mA
		Insulation	> 200MΩ
		Connector	Contact us for more information
		Communication	RS232; RS485; RS422 (Requested at the time of purchase)
	Mechanical	Housing	Delrin POM
		Weight in air	950g
		Dimensions	Ø65mm (Body) x 152mm (Length, excluding the connector)
Contant Probe BCP-CONTACT-001 Proximity Probe BCP-PROXIMITY-001	Environmental	Depth rating	300m
	Display Model (BCP-DISPLAY-001)	Screen	1.3" Graphic OLED
		Viewing angle	>160°
		Dimensions	56mm (Length) x 40mm (Width) x 47mm (Height, excluding the connector)
	Electrical	Cable length	3m
		Connector	Contact us for more information
	Ag/AgCl reference electrode	Output voltage	Approximately +250mV
		Temperature coefficient	-0,6 x °C
		Temperature range	(0 - 30)°C
	Mechanical	Housing	Delrin POM
		Tip	316L stainless steel
		Weight in air	200g
		Dimensions	BCP-CONTACT-001 - Ø40mm (Body) x 156mm (Length); BCP-PROXIMITY-001 - Ø40mm (Body) x 138mm (Length).

DIMENSIONS

ELECTRONIC BOTTLE (BCP-VOLTMETER-001)



CONTACT PROBE (BCP-CONTACT-001)



PROXIMITY PROBE (BCP-PROXIMITY-001)

