

# P-M 100



## Overview

### Potentiostat

- Used for coating research experiments
- Manually operated
- Cathodic Disbondment Test
- Multichannel system
- Datalogger (optional)

## Description

The **P-M 100** is a modular system. It is a pure potentiostat, galvanostat mode is not available.

The **P-M 100** is conscious a very simple device, which is used for series measurements. Here, the focus is on hold experiments (e.g. research of coatings). The settings have to be made manually. The measurement values can be read from the two digital displays for current and potential. The potentiostat has a maximum current of  $\pm 100$  mA with a compliance voltage of  $\pm 11$  V. It has two current ranges, namely 100 mA and 20 mA. A light-emitting diode is used as an indicator of the internal potential = OCP and as overload display. For the adjustment of potential a nominal voltage generator with  $\pm 2$  V is used.

**P-M 100** is available as a single device in a case but also with up to 4 modules in one case. If needed, a data logger for data acquisition and storage is also available.

## Accessories

### Cathodic Disbondment Test Cell

Test cell for tests according to DIN Norm 30670, DIN EN ISO 15711, ISO 21809 Part 1 Annex H, ASTM G-8, ASTM G-42.



## Technical Details

Supply voltage	115/230V, 47–53 Hz, max. 1 A, IEC connector
Modes	Potentiostat
Impedance analyzer	None
Electrode connections	2, 3, Electrode (CE, RE, WE)
Floating mode	No
Compliance voltage	±12 V
Maximum current	±150 mA
Polarization ranges	±2 V Potentiostat
Current ranges	2 ranges 20 mA and 100 mA
Resolution	0.01 mA
Electrometer input impedance RE	10 <sup>13</sup> Ω
Bandwidth	n.a.
ADC	No
DAC	No
Resolution of setvalue	1 mV
Resolution of measurement	0.01 mA
Sample rate	No
Interface	Optional for P-M 100-4
Software	Optional EcmWin and EcmView for P-M 100-4 with datalogger
Measurement	OCP, hold experiments, special designed for cathodic Dispondment Test
Additional inputs	None
Additional outputs	None

