

Datasheet P-M 100

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

The P-M 100 is one of our cheapest variants of a potentiostat. It is conscious a very simple device. It is also used for series measurements, whereas here the focus lies on hold experiments (eg research of coatings). The device has no external inputs for an automation, meaning all settings must be made by hand. The measurement values can be read from the two digital displays (current and potential).

The potentiostat has a maximum current of $\pm 100\text{mA}$ with an output voltage of $\pm 10\text{V}$. It has two current ranges, namely 100mA and 20mA . A light-emitting diode is used as an indicator of the internal potential = open corrosion potential and as overload display. A nominal voltage generator with $\pm 2\text{V}$ is for the adjustment of the potential.



Electrical data P-M 100

Design:	
• Instrument for potential measurement	digital, 3½-digits, ±1999mV
• Instrument output voltage	none, LED as indicator for the OCP and overload display
• Instrument for current measurement	digital
• Nominal voltage potentiostat	1 nominal voltage generator internal
• Current range	100mA and 20mA
• OCP / closed circuit	manually
Size: (WxHxD)	

Polarization range	Internal
• V-nominal for potential	±2000mV
In- / output resistance	
Internal resistance of current measurement	approximately $10^{-4}\Omega$
Input resistance of reference electrode	approximately $10^{12}\Omega$
Rise speed / rise time	n.a.
Current measurement	
Digital	
• Current range	100mA and 20mA
• Accuracy	0,50%
Voltage measurement	
Digital	
• Digital voltage meter	3½-digits, to ±1999mV, 0,5%
V-counter electrode-measuring electrode	±11V

Jaissle Elektronik GmbH Spitalhaldenweg 4 71336 Waiblingen - GERMANY Telefon: 0049 (0) 7151 / 81112 Fax: 0049 (0) 7151 / 28204 Internet: www.ips-jaissle.de	Ingenieurbüro Peter Schrems Am Eppertshäuser Pfad 2 64839 Münster - GERMANY Telefon: 0049 (0) 6071 / 612403 Fax: 0049 (0) 6071 / 612404 Internet: www.ips-jaissle.de eMail: ibschrems@ips-jaissle.de
---	---