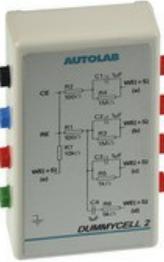


Accessories for PGSTAT128N MBA

Below, the accessories are grouped into Scope of delivery and Optional accessories.
Please keep this printout at hand for ordering replacement material.
These lists may be subject to change.

Scope of delivery PGSTAT128N MBA

Qty.	Order no.	Description	
1 pcs	AUT.DUMCELL	Autolab dummy cell	
		Dummy cell for instrument testing.	
1 pcs	CABLE.BNC.50	50 cm BNC cable	
		50 cm BNC cable for diagnostics purposes.	
1 pcs	CABLE.MONITOR	Monitor cable for N series Autolab	
		Monitor cable for modular Autolab systems, providing connections for external equipments (Potential output (E_{out}), Current output (i_{out}) and Potential input (E_{in})).	
1 pcs	CABLE.PWR	Power cable	
		Standard power cable for Autolab instruments and accessories.	
1 pcs	CABLE.USB	Standard USB cable	
		Standard USB cable for Autolab instruments.	
1 pcs	CELLCABLE.RE	Cell cable	
		Standard cell cable, 1.5 m, with connection for reference electrode (RE) and sense electrode (S).	

1 pcs **CELLCABLE.WE** **Cell cable**

Standard cell cable, 1.5 m, with connection for counter electrode (CE), working electrode (WE) and ground.



1 pcs **NOVA** **Advanced software for electrochemical research**

NOVA is the package designed to control all the Autolab instruments with USB interface.

Designed by electrochemists for electrochemists and integrating over two decades of user experience and the latest .NET software technology, NOVA brings more power and more flexibility to your Autolab potentiostat/galvanostat.

NOVA offers the following unique features:

- Powerful and flexible procedure editor
- Clear overview of relevant real-time data
- Powerful data analysis and plotting tools
- Integrated control for external devices like Metrohm Liquid Handling devices



Optional accessories

Order no.	Description	
BA	Dual mode bipotentiostat module	
<p>The BA is a dual-mode bipotentiostat module that converts the Autolab into a double channel potentiostat with which measurements on 2 working electrodes can be performed sharing the same counter and reference electrode.</p> <p>In the Bipotentiostat mode, a fixed potential is applied to the second channel (second Working Electrode) while applying a potential step or a sweep to the first channel (first Working Electrode). In the Scanning Bipotentiostat mode, a potential offset with respect to the first channel is applied to the second channel.</p>		
FRA32M	Electrochemical impedance spectroscopy module	
<p>The FRA32M provides the means to perform impedance and electrochemical impedance measurements in combination with the Autolab. This module allows one to perform both potentiostatic and galvanostatic impedance measurements over a wide frequency range of 10 μHz to 32 MHz (limited to 1 MHz in combination with the Autolab PGSTAT). In addition to the classical EIS, the NOVA software also allows the users to modulate other outside signals such as rotation speed of a rotating disk electrode or the frequency of a light source to perform Electrohydrodynamic or Photo-modulated impedance spectroscopy.</p> <p>The FRA32M module comes with a powerful fit and simulation software for the analysis of impedance data.</p>		
SDK	Software development kit	
<p>The Autolab Software Development Kit (Autolab SDK) is designed to control the Autolab instrument from different external applications such as LabVIEW, Visual Basic for Applications (VBA), scripting etc. With the Autolab SDK the external application can be used to measure complete procedures or control individual Autolab modules.</p> <p>In order to use the Autolab SDK from other applications, these applications must have the possibility to use .NET assemblies or in the case of 'older' applications to use COM assemblies. How to integrate these assemblies is explained in the manual of the application.</p> <p>The Autolab SDK is compatible with Autolab NOVA however it does not require NOVA to be installed.</p>		