

DocuClip with DocuMeter: Closes the Traceability Gap in Identifying Electrodes, Error Free!



New reliability standard in accordance with GLP and ISO 17025

Laboratory work, particularly in the areas of chemical and pharmaceutical research, requires 100% traceable documentation.

DocuClip & DocuMeter from Sartorius are setting new standards for documentation of results in electrochemical analysis.

Permanent allocation of identification and calibration data to a particular pH electrode gives you complete reliability. It is no longer possible to mix up electrodes. The quality and effectiveness of electrodes can be checked at any time. Documentation of calibration data is fully automatic, making it both easy and reliable. It is entirely up to you whether you use your own BNC electrodes or pre-configured electrodes from Sartorius.

One click gives you complete reliability...
...with confidence supplied by Sartorius.

Conventional procedures, however, still hold some risks:

Sensors that have been used may be mixed up.

An electrode may have been used so often that it is no longer fully effective – but how can you tell?

Manual recording of electrode identification is error-prone.

With DocuClip & DocuMeter these problems are now a thing of the past. The future has now arrived in pH documentation. Step-up to Sartorius DocuClip & DocuMeter, today!

Choice of Standard Features

DocuMeter ^{pH}	Order Number	
Measuring instrument incl. technical buffer, power supply, operating instructions	Docu-pH	Docu-pH+
...with electrodes and DocuClip for unique, 100% traceable data recording		
pH electrodes with:		
Plastic body, refillable, fiber junction, ATC 10 kΩ	Docu-pH/PT10doc	Docu-pH+/PT10doc
Glass body, refillable, platinum junction, ATC 10 kΩ		Docu-pH+/P11doc
Plastic body, gel-filled, fiber junction, ATC 10 kΩ	Docu-pH/P12doc	Docu-pH+/P12doc
Plastic body, gel-filled, fiber junction	Docu-pH/P20doc	Docu-pH+/P20doc
Glass body, refillable, platinum junction		Docu-pH+/P11doc
...with conventional electrodes		
pH electrodes with:		
Plastic body, refillable, fiber junction, ATC 10 kΩ	Docu-pH/P10	Docu-pH+/P10
Glass body, refillable, platinum junction, ATC 10 kΩ		Docu-pH+/P11
Plastic body, gel-filled, fiber junction, ATC 10 kΩ	Docu-pH/P12	Docu-pH+/P12
Plastic body, gel-filled, fiber junction	Docu-pH/P20	Docu-pH+/P20
Glass body, refillable, platinum junction		Docu-pH+/P11
DocuClip		
... For unique, 100% traceable documentation of calibration for any pH electrodes Initialization by the user with DocuMeterpH (Docu-pH+) required	DocuClip	DocuClip

Accessories

	Order Number	
Printer	YDP05-pH	YDP05-pH

Sartorius Inc.
131 Heartland Blvd.
Edgewood, NY 11717

Phone: 800-635-2906
Fax: 631-254-4252

www.sartorius.com
North America: www.sartone.com

Sartorius Canada, Inc
2179 Dunwin Dr., Units 4&5
Mississauga, Ont. L5L 1X2

Phone: 800-668-4234
Fax: 905-569-7021

Features, technology, specifications and design subject to change without notice.



Sartorius DocuClip
& DocuMeter

A New Way to
Connect Electrodes
and Get Traceable
Calibration,
Automatically!

DocuMeter:

Documents your electrodes to GMP/GLP standards, automatically!

Reliability starts with easy and accurate operation. With the newly developed DocuMeter instruments, Sartorius is setting new standards in the determination and management of measured values. Equipped with a graphic display and easy-to-use soft keys, all DocuMeter models are practical meters that make even complex laboratory tasks simple.

You can choose between "intelligent" electrodes connected to DocuClip and standard electrodes with a BNC connector.

Two models for pH measurement offer you top-quality instruments, right from the start, for the most frequently used applications. Additional models, such as conductivity meters, will be available soon.



DocuClip:

Records your electrode's calibration data (incl. time and date), precisely!



Comprehensive features – simple results

- Graphical display and soft keys
- Easy-to-understand menu-driven prompts in plain language
- Defined function keys for the most common applications; no double-assigned keys
- Fast mode for rapid results
- Automatic recognition of a variety of temperature probes
- Serial interface for data transfer to computer or printer (Docu-pH+)
- Memory capacity for 500 data records (Docu-pH+)

Give each of your electrodes their own identity. DocuClip is a unique device that makes an electrode uniquely identifiable, in just seconds. Equipped with built-in memory for calibration data, DocuClip works together with the Sartorius DocuMeter to store essential electrode specifications over its entire service life.

In addition to model designation and individual serial number, DocuClip stores all data from initial calibration, including pH, mV, temperature – indicating manual or automatic temperature measurement – and the slope and zero point of the pH electrode, as well as the date and time of calibration.

Moreover, data from the four most recent calibrations is always available for the entire service life of the electrode. DocuClip deletes older data to make room for the latest calibration report. With DocuMeter you can view the history of an electrode at any time. This gives you a ready overview of electrode quality.

Intelligent Electrode with BNC Connector:

Easy and reliable, pre-configured to use with the DocuMeter and DocuClip!



Specifications:

	DocuMeter ^{pH}	DocuMeter ^{pH+}
pH Measurement		
Measuring range	-2.000 to 20.000	-2.000 to 20.000
Readability	0.001 0.01 0.1 configurable	0.001 0.01 0.1 configurable
Accuracy	± 0.005	± 0.005
mV Measurement		
Measurement range in mV	-2000.0 to 2000.0	-2000.0 to 2000.0
Readability in mV	0.1 1 configurable	0.1 1 configurable
Accuracy in mV	± 0.2 < 1000 ± 1 > 1000	± 0.2 < 1000 ± 1 > 1000
Temperature Measurement		
Temperature range in °C	-5 to 105 (23 to 221 °F)	-5 to 105 (23 to 221 °F)
Readability in °C	0.1	0.1
Accuracy in °C	± 0.2	± 0.2
Temperature compensation	- Automatic or manual from -5° to 105°C	-
Buffer recognition	- Automatic: technical buffers, DIN/NIST buffers	-
Calibration points, max.	3	3
Date time battery-supplied	-	✓
Sample IDs	-	✓
Calibration reminder	-	✓
Complete GLP-compliant record/printout	-	✓
Memory for measurement data	-	✓
Communication with DocuClip	✓	✓
Input for pH combination electrodes	BNC	BNC
Input for temperature probe:		
ATC 10 kΩ, ATC 30 kΩ, Pt1000	2.5 mm jack	2.5 mm jack
RS-232C interface	-	✓
Dimensions in inches (WxDxH)	3.5x9.0x5.7	3.5x9.0x5.7
Weight in lbs.	2.2	2.2