

SevenCompact™ S210

Truly Universal and Reliable



The SevenCompact™ series combines precise electrochemical measurement technologies with flexibility, innovative design and ease-of-use. It can be universally employed and continues the tradition of the Seven series from METTLER TOLEDO.

The SevenCompact™ pH meter S210 is the perfect choice for a wide range of applications. At the same time, working with the S210 is like child's play. Starting a measurement or calibration has never been easier, requiring only a single keypress.

Seven good reasons for SevenCompact™

- Fast and accurate measurements
- User-friendly operation
- Menu guidance in 12 languages
- Clear, well arranged color display
- Many peripheral options
- GLP compliant
- Service offering, including IQ/OQ

Productive Work from the Start

Intuitive and Powerful

The instrument's functionality has been designed to maximize the productivity of your work. Stand alone, the instrument already offers many functionalities, but you can achieve higher efficiency and flexibility by connecting peripherals.

Security

The instrument's versatility is also reflected in its security package. Users requiring little or no GLP support can easily use the instrument

without worrying about security settings. Still they benefit from the functionalities that minimize mistakes, such as calibration support and Intelligent Sensor Management

(ISM®). On the other hand, those that need full GLP support will have peace of mind when employing the full spectrum of security functionalities.

All Parameters or the Essentials – Decide by a Single Keypress



The instrument gives you the choice! In the normal screen layout, all available information is visible. By switching to the uFocus™ view you will not be distracted by information of less importance.

Perfect Ergonomics and High Productivity with uPlace™



uPlace™: the electrode arm can be operated with one hand; moving straight up and down. This allows for faster measurements and reduces the risk of the sample vessel tipping over and/or damage to the sensor!

Total Flexibility with Data Processing



Upon endpointing SevenCompact™ allows multiple archiving options: the data can be stored, printed or transferred to LabX direct. Any combination of these three options is possible giving you total flexibility.

Specifications for SevenCompact™ pH S210

	Measuring range	Resolution	Accuracy
pH	-2.000 ... 20.000	0.001 / 0.01 / 0.1	± 0.002
mV	-2000.0 ... 2000.0	0.1 / 1	± 0.2
Rel. mV	-2000.0 ... 2000.0	0.1 / 1	± 0.2
Temperature MTC	-30.0 ... 130.0 °C	0.1 °C	± 0.1 °C
Temperature ATC	-5.0 ... 130.0 °C	0.1 °C	± 0.1 °C
Calibration	Calibration points Buffer groups Buffer recognition Isopotential point Temperature capture Calibration reminder Electrode status icon	Max. 5 8 pre-defined and 1 user-defined Automatic pH 7.00 Automatic and manual User-configurable Shows quality of last calibration	
Measurement	Choice of endpoint formats Choice of stability criteria Choice of pH decimal places Temperature capture Serial measurements	Automatic, manual, timed Fast, standard, strict X.XXX, X.XX, X.X Automatic and manual Time interval user-configurable	
System and GLP	Menu guidance Display color scheme Time and date PIN protection Measurement limits Instrument modes ID input ID input automation	12 languages Blue, red, green, grey 2 time formats, 4 date formats Login, deletion of data, system settings User-defined Routine mode / expert mode User ID, sample ID, sensor ID, sensor SN Barcode reader and keyboard (USB)	
Data processing	Data storage Print formats Data Export	1000 measurements Short, normal, GLP USB-stick, LabX direct PC software	
Connectors	pH Sensor input Temperature sensor input Reference input Communication interfaces Stirrer connector	BNC (impedance > 3 x 10 ¹² Ω) Cinch/RCA (NTC30 kΩ or Pt1000) 2 mm Ref. RS232, USB-A, USA-B Mini-DIN	
General	Power requirements Size/weight Display	DC 9–12V/10W 204 x 174 x 74 mm, 890 g TFT	
Ambient conditions	Display Temperature Relative humidity Installation category Pollution degree Altitude	TFT 5 ... 40 °C 5 ... 80% (non-condensing) II 2 Up to 2000 m above sea level	
Ingress protection	Protection level	IP54	
Materials	Housing Window Keypad	ABS/PC reinforced Polymethyl methacrylate (PMMA) Membrane keypad: Polyethylene terephthalate (PET)	