

PX^{vio}

pH - mV SIMULATOR



The XS PX Vio simulator is an easy-to-use instrument, ideal for the verification and calibration of portable, bench-top and panel-mounted pH and mV meters.

The instrument offers the possibility to work over the entire simulation range or to use practical default values.

FEATURES

- Button controlled pH/mV selection
- USA/NIST standard pH buffer simulation
- 32 predefined pH and mV values
- 5 pH values + 5 mV values, all user adjustable
- High impedance input test
- Large, easy-to-read display
- User friendly controls
- Ergonomic, one-handed operation
- Robust, splash-proof construction
- Battery level indication

DISPLAY

The large, high-definition colour LCD display allows the immediate visualisation of all the information and parameters needed to use the instrument.

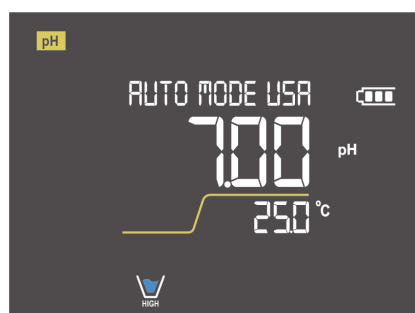


ORP VALUES

In addition to pH values, the device also simulates the most common Redox/ ORP solution values, even at different temperatures, thanks to the stored thermal tables.

HIGH IMPEDANCE

The high impedance simulation verifies the efficiency of the pH meter's input circuit and ensures the proper insulation of the pH/RX electrode connection cable.



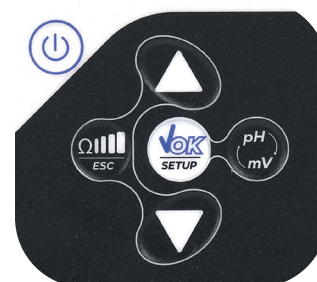


THE KIT INCLUDES:

- Instrument
- BNC-BNC cable
- Coloured pH buffer solutions
- User manual
- Test report
- Hard suitcase

SPECIFICATIONS

DISPLAY	LCD
CONNECTION	BNC
CONTROLLER	6 BUTTONS
FAST SCROLLING	YES, automatic
pH RANGE	-2 ... 16 pH
	Predefined values of USA and NIST buffers
	User adjustable custom values
pH RESOLUTION	0.01
pH ACCURACY	0.02
mV RANGE	- / + 1999 mV
	Standard values to check pH meters
	User adjustable custom values
	ORP solution values
mV RESOLUTION	1 mV
mV ACCURACY	1 mV
HIGH/LOW IMPEDANCE	Yes
IMPEDANCE OUTPUT	Hi: 1 G Ω - Low < 100 K Ω
T COMPENSATION (pH)	Yes according to Nerst
T RANGE	0 ... 100 °C
U.M. T	°C / °F
AUTO SWITCH-OFF	20 minutes (can be deactivated)
BATTERIES	4 x 1,5 AA
DIMENSIONS	185 x 85 x 45 mm
WEIGHT	400 g
IP GRADE	57
BRIGHTNESS and CONTRAST	Adjustable
SLEEP MODE	Yes, 2 or 5 minutes (can be deactivated)



KEYBOARD

The keyboard is splash-proof and designed for simple and immediate operation.

PREDEFINED pH and mV VALUES

In automatic mode, the simulator allows the following values to be selected:

pH

- USA buffers: 1,68 / 4,01 / 7,00 / 10,01 / 12,45
- NIST buffers: 1,68 / 4,00 / 6,86 / 9,18 / 12,46

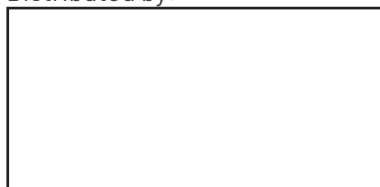
mV / ORP solutions

- 1900 / 900 / 177 / 0 / -177 / -900 / -1900 mV
- 200 / 250 / 468 / 475 / 650 mV (even at different temperatures)

HOW TO ORDER

	pn
Full simulator kit in suitcase	50111312
Accessories	
BNC / S7 male cable to check cable connection	33550813
BNC cable / free wires	33550823
BNC / BNC cable	33550833
BNC / DIN cable	33550843

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