

SMS110/SMS115/SMS120 pH Monitors



The Smart pH monitor allows you to continuously monitor pH values directly in your reservoir. Features include: user selectable set point (for SMS110 and SMS120), visual LED alarm when values go above the set point and manual calibration.




The **SMS115** with the Cal-test button will warn the user when the electrode needs to be calibrated again. Each monitor is powered by a 12 VDC adapter and is ideal for applications such as Hydroponic and Aquarium.

The pH monitors are very simple to operate:

1. hang your monitor above the reservoir;
2. connect the adapter to the meter and plug in the power supply (make sure that your power supply is in a safe area away from the water);
3. immerse 2/3 of the electrode in the solution;
4. the probe can now remain there permanently.

The **SMS110** and the **SMS120** are supplied complete with a MA911B/2 pH electrode, the SMS115 with MA912B/2 pH electrode.

Each monitor comes complete with a 12 VDC adapter and calibration solution.

Specifications				
		SMS110	SMS115	SMS120
Range	pH	0.0 to 14.0 pH	0.0 to 14.0 pH	0.0 to 14.0 pH
Resolution	pH	0.1 pH	0.1 pH	0.1 pH
Accuracy (@25°C)	pH	±0.2 pH	±0.2 pH	±0.2 pH
Calibration		manual, 2 point, through trimmers on the meter front and rear panels	manual, 2-point, through trimmers on the meter side	manual, 2 point, through trimmers on the meter front and rear panels
Set point		3.5 to 7.5 pH		5.5 to 9.5 pH
Alarm		active when measure is higher than selected set point		active when measure is higher than selected set point
pH Electrode		MA911B/2 (included)	MA912B/2 with BNC connector (included)	MA911B/2 (included)
Environment		0 to 50°C / 32 to 122°F; max RH 95%	0 to 50°C / 32 to 122°F; max RH 95%	0 to 50°C / 32 to 122°F; max RH 95%
Power Supply		12 VDC power adapter (included)	12 VDC power adapter (included)	12 VDC power adapter (included)
Dimensions		160 x 80 x 40 mm	85 x 104 x 39 mm	160 x 80 x 40 mm
Weight		220 g (meter only)	130 g (meter only)	220 g (meter only)

Accessories

- M10004B** pH 4.01 buffer solution, 20 mL sachet (25 pcs)
- M10007B** pH 7.01 buffer solution, 20 mL sachet (25 pcs)
- M10010B** pH 10.01 buffer solution, 20 mL sachet (25 pcs)
- M100058B** Cal-test solution for SMS115, 20 mL sachet (25 pcs)
- M10016B** Electrode cleaning solution, 20 mL sachet (25 pcs)
- MA9015** Electrode storage solution, 20 mL sachet (25 pcs)
- MA9016** Electrode cleaning solution, 20 mL sachet (25 pcs)



- MA911B/2** Double junction, gel filled pH electrode with 2 m cable (will be replaced by **SE230**)
- SE230/2(*)** pH electrode with BNC connector and 2 m cable
- MA912B/2** pH electrode with BNC connector with 2 m cable (will be replaced by **SE250**)
- SE250(*)** pH electrode with BNC connector with 2 m cable

(*) Available from the 1st of September 2010

Ordering Information

SMS110 is supplied complete with a 12VDC adapter, MA911B/2 pH electrode, 20 mL pH 7.01 sachet of calibration solution, calibration screwdriver and instructions.
SMS120 is supplied complete with a 12VDC adapter, MA911B/2 pH electrode, 20 mL pH 7.01 sachet of calibration solution, calibration screwdriver and instructions.
SMS115 is supplied complete with a 12VDC adapter, MA912B/2 pH electrode, 20 mL pH 4.01 and 7.01 sachets of calibration solution, 2x20 mL electrode cleaning solution sachets, 2x20 mL pH Cal-Test Solution, calibration screwdriver and instructions.