

SMS310/SMS410/SMS315/SMS415

Conductivity and TDS Monitors

Reliable Conductivity and TDS monitors with Automatic temperature compensation and 1 point manual calibration powered by a 12 VDC adapter.

They are ideal for the hydroponic market and allow you to continuously monitor EC or TDS values directly in your reservoir.





Other features include: user selectable set point, visual LED alarm when values go below the set point (for SMS310 and SMS410).

The CAL test feature on the SMS315 and SMS415 will warn the user (through an LED) when the probe needs to be calibrated again!

The monitors are very simple to operate:






1. hang your monitor above your 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 from the water!)
3. immerse 2/3 of the probe in the solution
4. the probe can now remain there permanently.



Specifications				
	SMS310	SMS410	SMS315	SMS415
Range	EC/TDS 0.0 to 10.0 mS/cm	0 to 1990 ppm	0.00 to 9.99 mS/cm	0 to 1990 mg/L (ppm)
Resolution	EC/TDS 0.1 mS/cm	10 ppm	0.01 mS/cm	10 mg/L (ppm)
Accuracy (@25°)	±2% Full Scale	±2% Full Scale	±2% Full Scale	±2% Full Scale
Conversion Factor		0.7		approx. 0.7
Set point	1.5 to 3.5 mS/cm	700 to 1900 ppm		
Alarm	active when the measure is lower than the set point	active when the measure is lower than the set point		
Temperature Compensation	automatic, from 5 to 50°C	automatic, from 5 to 50°C		
Environment	0 to 50°C; max RH 95%	0 to 50°C; max RH 95%	0 to 50°C; max RH 95%	0 to 50°C; max RH 95%
Probe	MA811/2 (included)	MA812/2 (included)	MA815/2 (included)	MA816/2 (included)
Power Supply	12 VDC power adapter (included)	12 VDC power adapter (included)	12 VDC power adapter (included)	12 VDC power adapter (included)
Dimensions	165 x 80 x 40 mm	165 x 80 x 40 mm	85 x 104 x 39 mm	85 x 104 x 39 mm
Weight	220 g (meter only)	220 g (meter only)	130 g (meter only)	130 g (meter only)

Accessories

- M10031B 1413 µS/cm calibration solution, 20 mL sachet (25 pcs)
- M10032B 1382 ppm calibration solution, 20 mL sachet (25 pcs)
- M10039B 5.00 mS/cm calibration solution, 20 mL sachet (25 pcs)
- M10442B 1500 ppm calibration solution, 20 mL sachet (25 pcs)
- M100020B Cal-Test solution for SMS315, 20 mL sachet (25 pcs)

- M100040B  Cal-Test solution for SMS415, 20 mL sachet (25 pcs)
- MA811/2  Conductivity probe with 2 m cable
- MA812/2  Conductivity probe with 2 m cable
- MA815/2  Conductivity probe for SMS315 with 2 m cable
- MA816/2  Conductivity probe for SMS415 with 2 m cable

Ordering Information

SMS310 is supplied complete with 12VDC adapter, MA811/2 EC probe, 20 mL 1413 µS/cm sachet of calibration solution, screwdriver for calibration and instruction.

SMS410 is supplied complete with 12VDC adapter, MA812/2 TDS probe, 20 mL 1382 ppm sachet of calibration solution, screwdriver for calibration and instruction.

SMS315 is supplied complete with 12VDC adapter, MA815/2 EC probe, 20 mL 1413 µS/cm sachet of calibration solution, 20 mL conductivity Cal-Test Solution, screwdriver for calibration and instruction.

SMS415 is supplied complete with 12VDC adapter, MA816/2 TDS probe, 20 mL 1382 ppm sachet of calibration solution, 20 mL conductivity Cal-Test Solution, screwdriver for calibration and instruction.