



# SKT 800/S HydroSense 3 System

Skye Instruments have been specialising in environment monitoring instruments since 1983. All are designed, manufactured and calibrated to the highest standards. Our meters are subjected to intense testing to ensure research-grade accuracy.

The Skye Hydrosense 3 Meter is a new version of our popular HydroSense product. It allows easy, instantaneous readings & storing of soil moisture measurements from a Skye Needle Sensor and septum tensiometers. The meter will store configurations for up to 25 different instruments, and store records of up to 100 readings and offload onto a P.C..

The meter can also be a useful addition to a DataHog datalogging package of Skye standard and/or mini electronic tensiometers, as the meter can be used as a quick 'soil moisture' check. The HydroSense 3 is also compatible with soil moisture products from other companies.

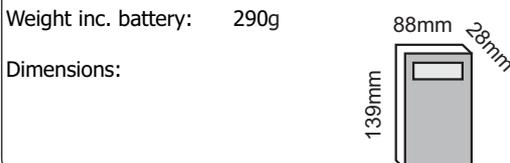
The HydroSense 3 has a clear display (LCD) over two lines. Functions include the ability to hold the display, and a dual scale options for each tensiometer (e.g. a reading from a tensiometer can be scaled in hPa and mbar). A simple press of a button stores a reading to the internal memory, allowing for easy data offload via a cable and our PC software.

Please contact us for further details on the HydroSense 3 packages we have available.



## SKT 800 SPECIFICATIONS

Enclosure:	Black ABS, Splashproof
Display:	Clear LCD display on 2 lines
Auto-ranging:	fully auto-ranging for ease of use
User menu options:	Read sensor, hold display, toggle units, battery test
Resolution:	20bit 'A to D' converter applied over 6 ranges
Sensor Input/Output:	Compatible sensors include traditional electronic tensiometers, voltage o/p TDR probes, etc.
Accuracy:	Typically better than $\pm 1\%$ at 20°C
Excitation Voltage:	5V
Response Time:	Typically less than 5 seconds
Power:	1 x 9V PP3 battery. Up to 14 hrs use
Operating Range:	-20°C - +70°C, 0 - 100% R.H
Connection:	5 pin Binder Panel-mounted Socket & RS-232 output
Weight inc. battery:	290g



## SKT 810 SPECIFICATIONS

Operating Range:	-20°C - +70°C
Cable Length:	2m standard (longer if required) with connector suitable for a HydroSense3 meter
Dimensions:	31mm 84mm
Measurement Range:	0 - 1000mbar (hPa)
Needle Sensor:	Black Delrin Housing
Calibration & Output:	The needle sensor is fitted with a low pressure transducer stabilised for temperature and linearity. The output is ratiometric for excitation voltage, but is usually calibrated at 5 volts.

## ORDERING INFORMATION

SKT 800/S	HydroSense3 soil moisture Meter, with carrying case & battery. Needle Sensor for Septum Tensiometers, and USB interface.
SKT 800	HydroSense3 soil moisture Meter, with carrying case & battery.
SKT 810	Needle Sensor for Septum Tensiometers & HydroSense3 connector (HydroSense3 only)
SKT 820	USB interface (HydroSense3 only)
SKT 690/20	20cm tensiometer with septum stopper
SKT 690/40	40cm tensiometer with septum stopper
SKT 690/60	60cm tensiometer with septum stopper
SKT 690/80	80cm tensiometer with septum stopper
	other lengths also available