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WIRING DETAILS FOR TENSIOMETERS

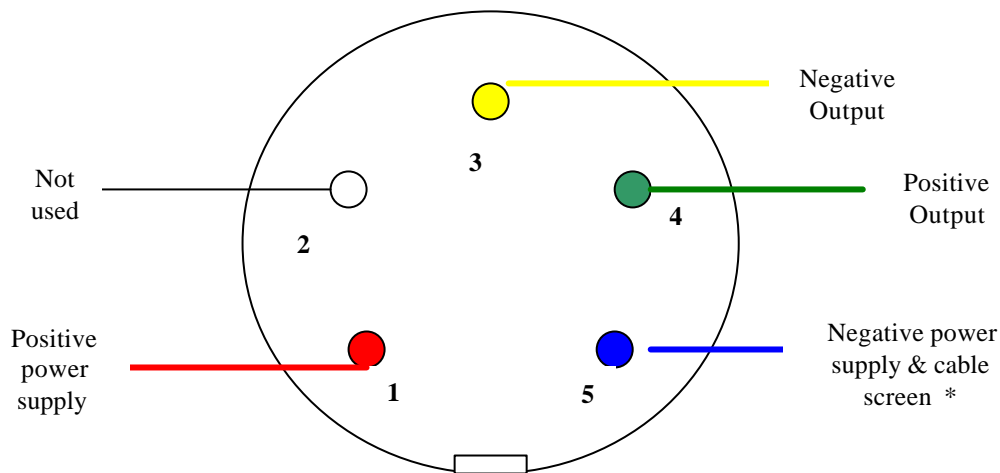
The SKTS 650 tensiometers and SKTM 650M mini tensiometers are fitted as standard with 3m cable, longer on request. If supplied bare ended the wire colours are as follows:

Red	Positive power supply (5.00 VDC regulated)
Blue	Negative power supply
Green	Positive output
Yellow	Negative output
Grey	Connected to cable screen

The tensiometers have a differential voltage output which is ratiometric to the power supply voltage. Skye calibrate these sensors at a power supply of 5.00 VDC and best results will be obtained with a regulated 5V supply.

If the tensiometers are to be used with a Skye DataHog2 logger or HydroSense meter, they will be fitted with a 5 pin Binder connector as shown below. Both the DataHog2 and HydroSense meter provide a regulated 5V power supply to the tensiometer for accurate measurement of soil moisture.

VIEW FROM INSIDE THE 5 PIN CONNECTOR



* If the connector has been fitted at Skye the blue wire will already be connected to the cable screen.

If the tensiometer has been supplied wire ended and you are fitting your own connector, first join the grey wire to the blue wire, then attach blue to Pin 5. It is not easy to attach two wires to one connector pin.