Sentek Technologies

EnviroSCAN
Probe Assembly

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Probe Components

- ## Probe handle & screws
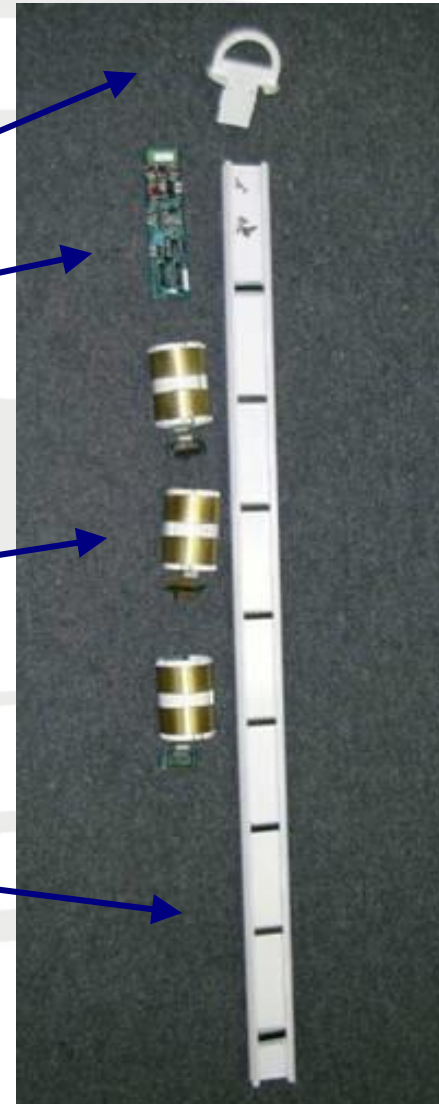 - (Part No: 22500)

- ## Interface
  - (Part No's: 22220, 24000, 24001, 24002, 24009, 24212)

- ## Sensors
  - (Part No's: 03010, 03050)

- ## Probe rod
  - (Part No's: 20525, 21025, 21525, 22025)

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Step 1. Attach handle to probe rod

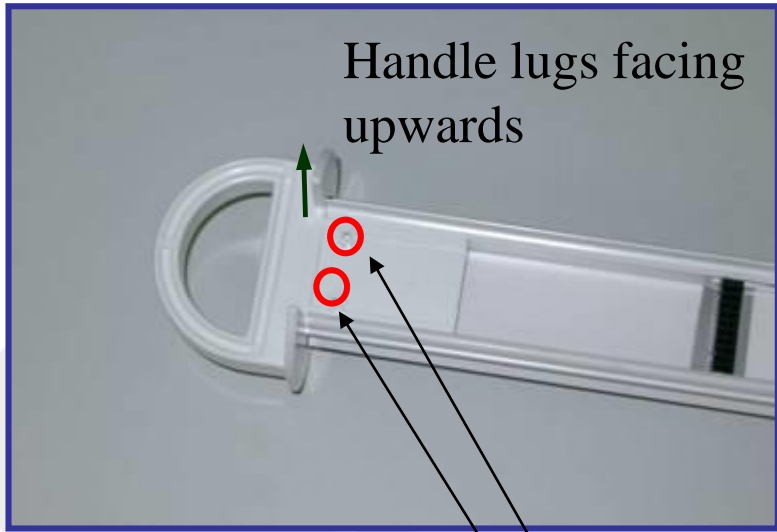i) Locate probe handle with screws & probe rod

Up

Top

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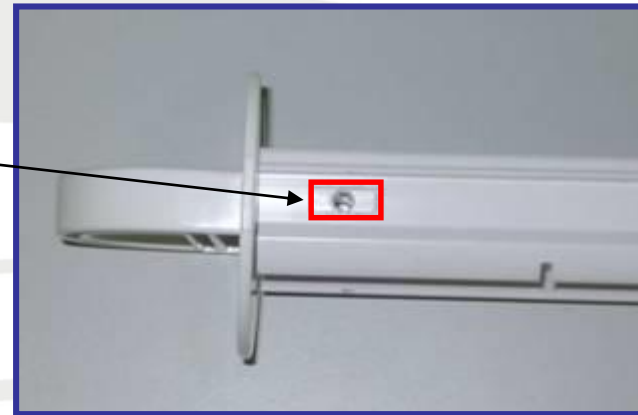SentekPlus
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Handle lugs facing upwards

ii) Insert handle into top of probe rod with lugs on handle facing upwards*

* Ensure handle clicks into notches on side of probe rod

Locate screw holes in handle

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Step 2. Attach interface board to probe rod

Fit interface board between handle & probe rod guides with green phoenix connector facing the top, and plug into the first available plug on the probe rod

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Step 3. Fix interface board and probe handle into position with screws

i) Gently move interface board along probe so that holes at top of board align with holes in probe rod (handle lugs should still be correctly located)

ii) Insert small screws and tighten to hold interface in place on probe rod

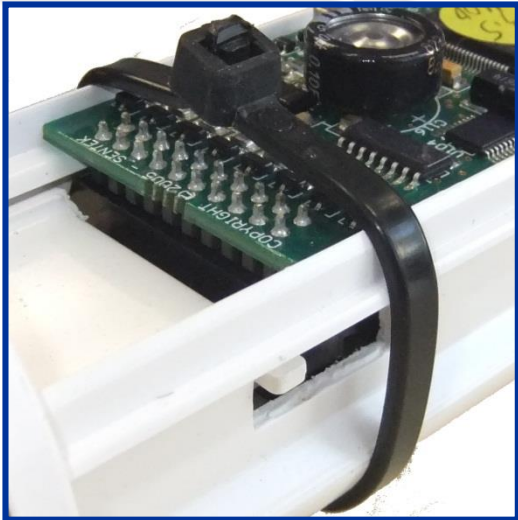'proven quality, enduring value'

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iii) Insert large screws into holes on notches in side of probe handle and tighten to hold probe handle in place*

*Ensure that the large screw heads make contact with the flat probe rod surface.

**Sentek recommends fastening a cable/zip-tie around the base of the interface to prevent it from working loose from the connector
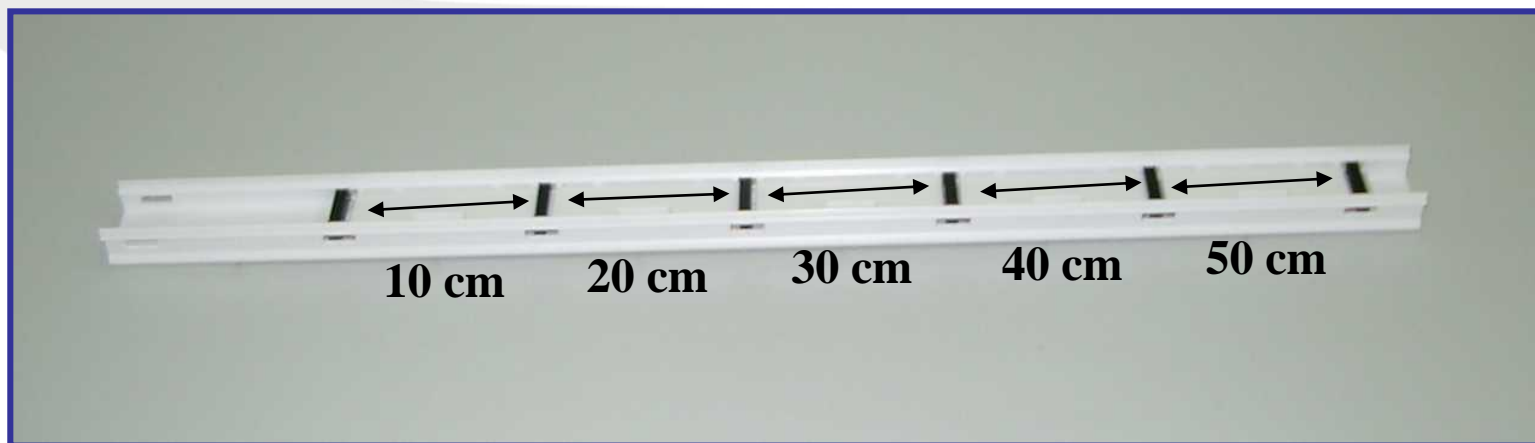
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Locating sensor positions

Locate desired sensor depth positions on probe rod.

NOTE: Each plug is spaced 10 cm apart

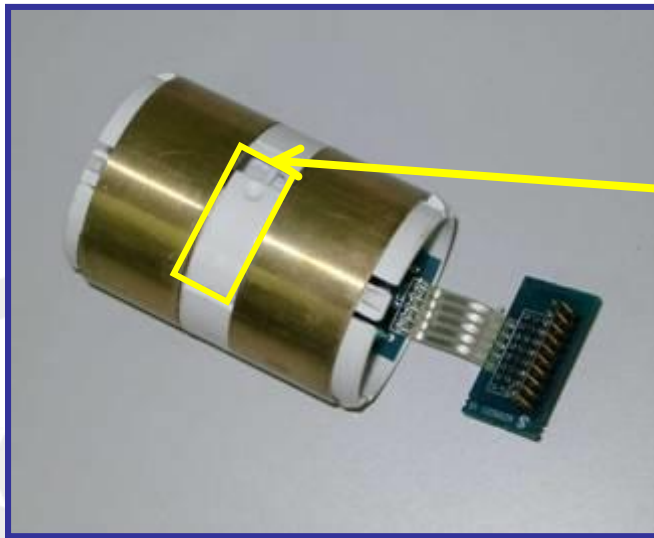10 cm   20 cm   30 cm   40 cm   50 cm

Step 4. Slide sensor onto probe
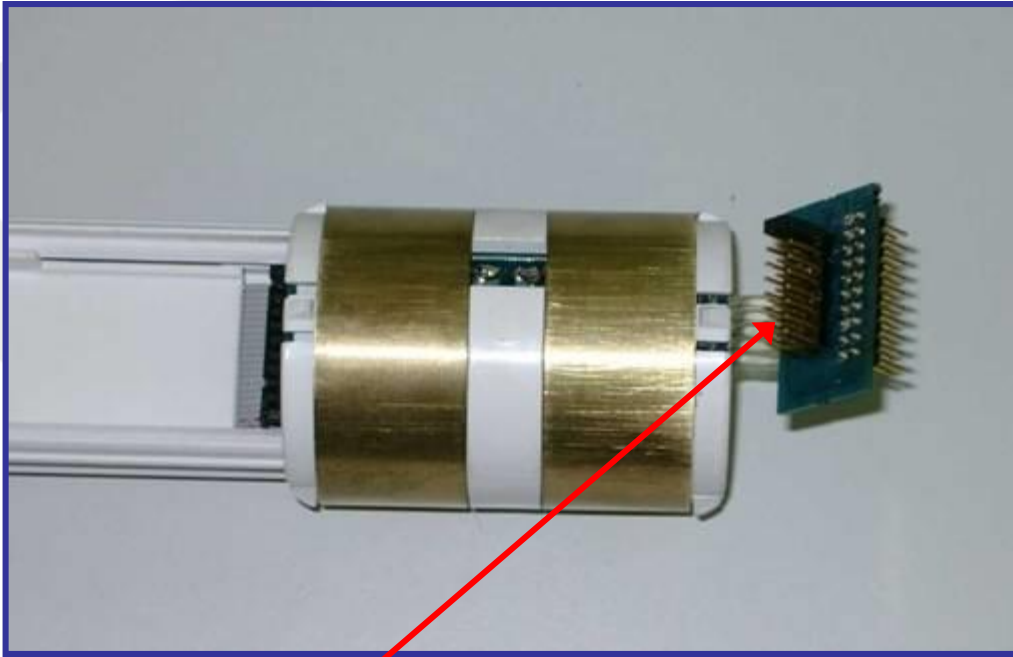
i) Position sensor at bottom of probe rod with sensor tail on the upper side of the sensor and pointing away from the probe rod

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ii) Locate lever on bottom side of sensor and depress

iii) Holding lever down and **ensuring sensor tail is held away from the probe rod**, slide the sensor onto the probe rod until into the desired position

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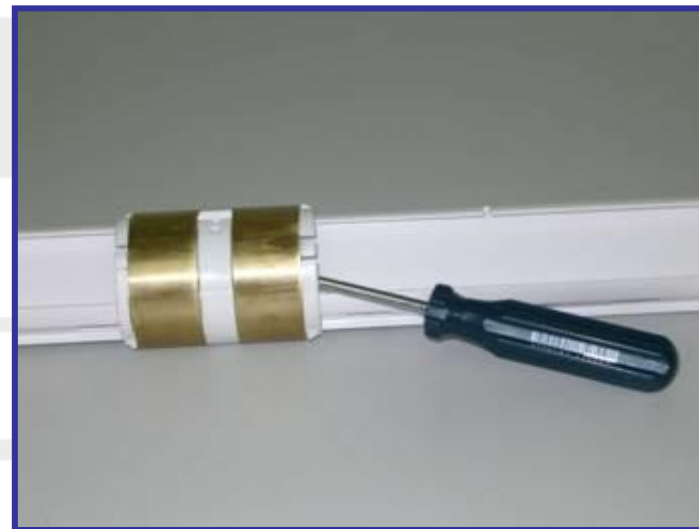EasyAG
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Step 5. Click sensor into position
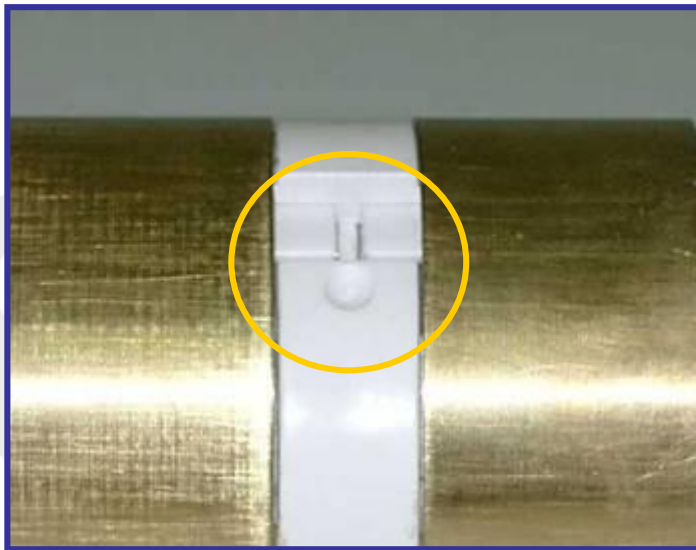
iv) Align lug on back of sensor with notch in probe rod

v) Push lever outwards with finger or screwdriver until sensor clicks into position
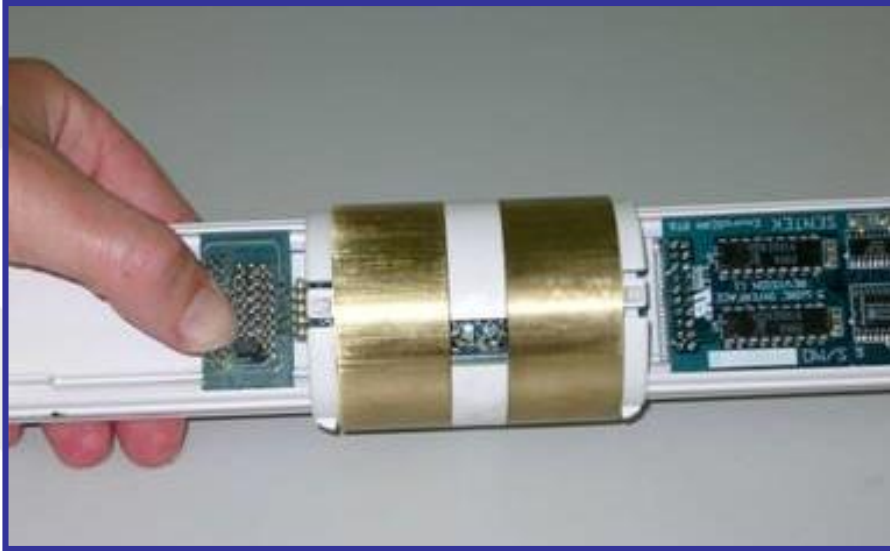
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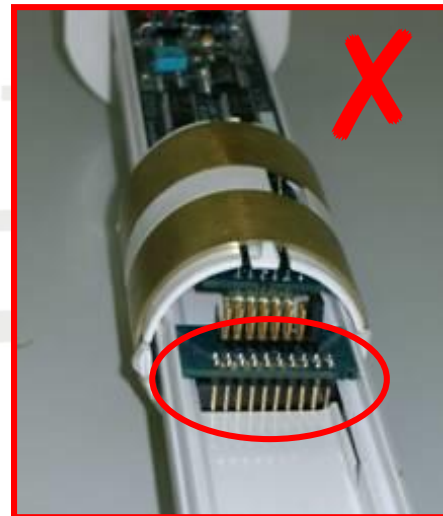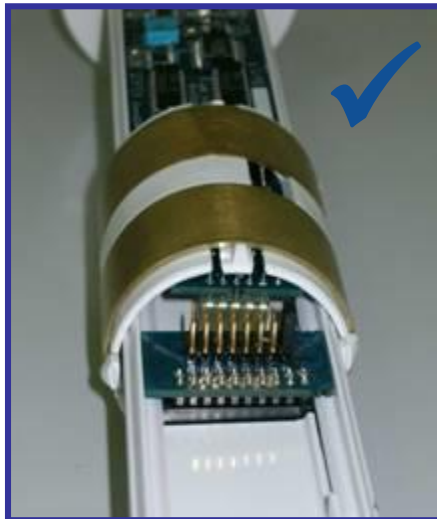
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Step 6. Plug in Sensor

• Firmly plug sensor into connector, ensuring that all pins are correctly aligned

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NOTE: Pins not properly aligned

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Repeat steps 4-6 for all sensors at selected depths

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Step 7. Sensor Addressing

Address 1

Address 9

Address 16
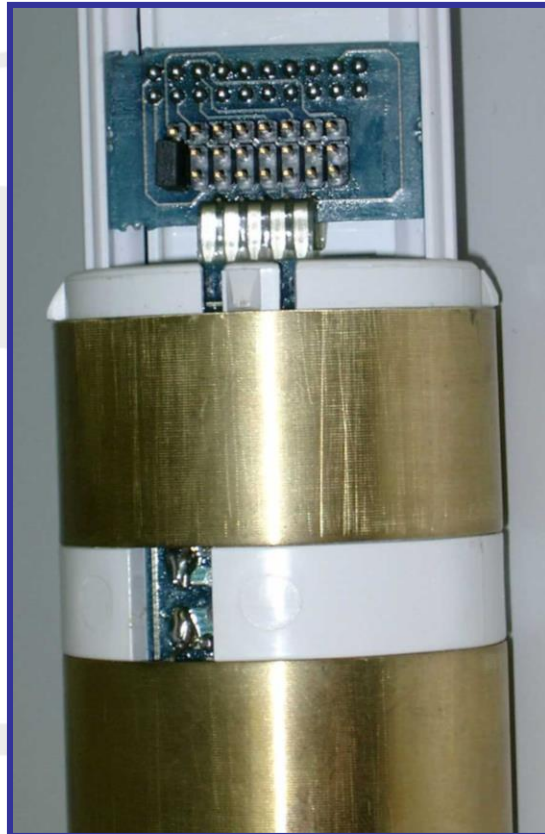
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Step 7. Sensor Addressing

• Place the black address link over the two pins that correspond to the desired address

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Label probe

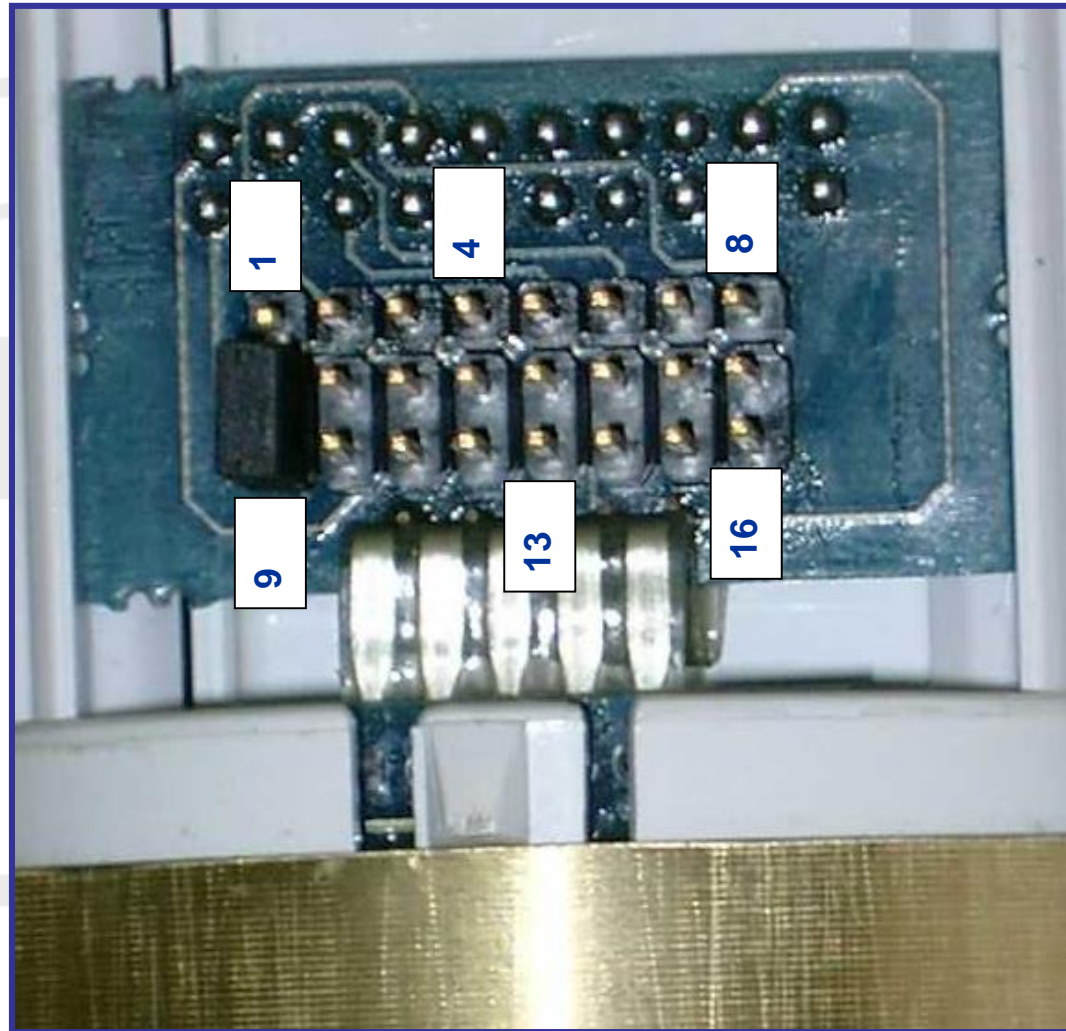Label each probe with permanent marker

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EnviroSCAN Probe Cabling

Maximum cable length from probe to logger or third party device

EnviroSCAN RS232	8m at 9600 bps
EnviroSCAN RS485	1000m at 9600 bps
EnviroSCAN SDI-12	60m
EnviroSCAN Voltage	0.26mV drop per 1m equates to 1 bit error per 5 m
EnviroSCAN 5 Wire	500m

*Stated lengths are for the communication lines of the cable. They do not take into account whether or not the cable is being used for power supply

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