

GroPoint™

Growing innovation.

GroPoint Classic

The original analog GroPoint moisture sensor, with legendary ruggedness and accuracy.

GroPoint™ Classic is our original analog soil sensor, with a rugged design that has been proven over decades of use. The sensing element is manufactured from a solid 6.4mm (0.25") stainless steel rod, and all electronics are sealed in water-proof epoxy.

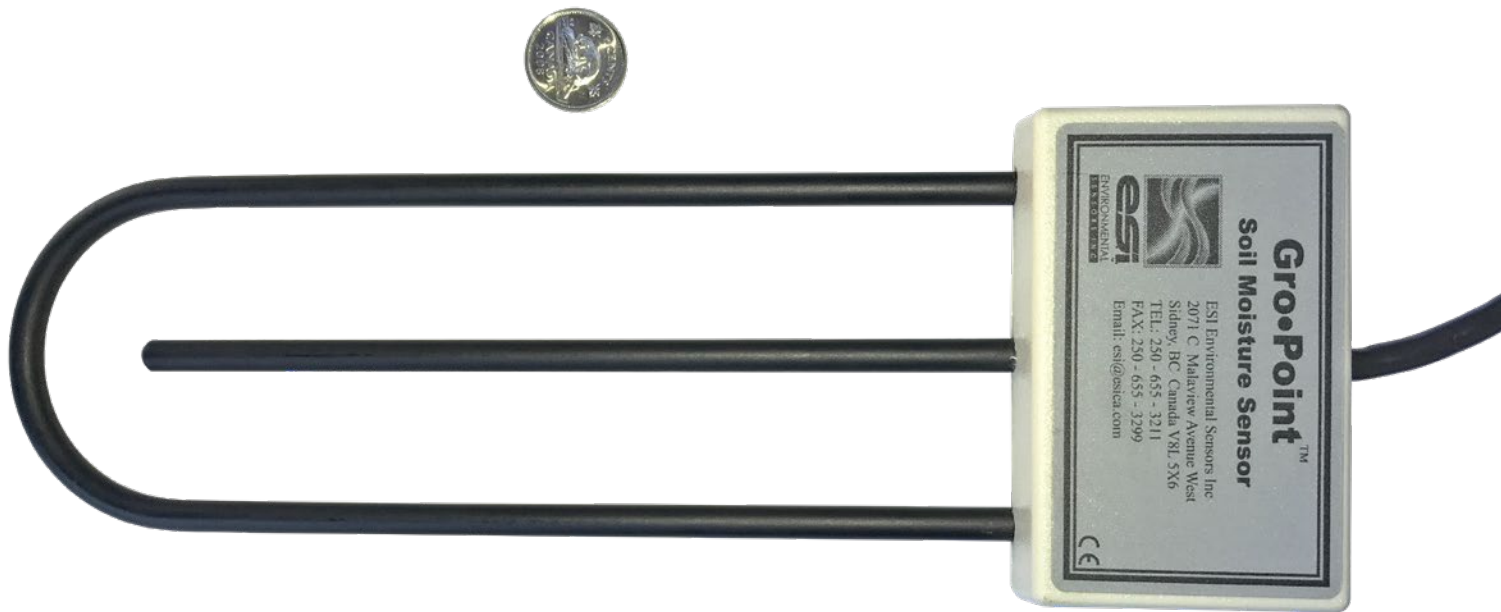
The 4-20mA output integrates easily with common irrigation control and management systems, and it's also available with 0-5mA output. The standard 5m cable can be extended to up to 150m (500') and terminates in a rugged IP66/68 environmental connector or bare wires.

The sensor can be calibrated specifically for sandy soils, high salinity and clay soils or a broad range of soils (specify when ordering). It also features a larger area of influence than our other sensors—about 10cm (4") surrounding the sensing element.

The GroPoint Classic responds immediately and accurately to changes in soil moisture. It's extremely rugged, easy to install and requires virtually no maintenance. It will provide years of reliable service.

- ✓ Fully potted electronics for excellent durability and consistency of operations.
- ✓ Stainless steel sensing element provides years of maintenance free, reliable sensing.
- ✓ 4-20 mA interface options provide easy and simple integration into common irrigation management and control systems.
- ✓ Low power consumption—suitable for remote applications.
- ✓ Large area of influence.





Technical Specifications

MOISTURE

Measurement range	0% to 100% of VMC
Accuracy	±2.0% *
Precision	< 0.2%

ELECTRICAL

Output	4-20 mA (optional 0-5mA)
Connection	Bare wire (optional 3 pin, IP66/IP68 rated environmental connector)
Input voltage	5.5 to 18 VDC
Current consumption	0-5 mA: 15 mA (nominal), 20mA (max) 4-20 mA: 30 mA (nominal), 50 mA (max)

ENVIRONMENTAL

Operating temperature	-20°C to +70°C (-4°F to 158°F)
Storage temperature	-40°C to 85°C (-40°F to 185°F)

PHYSICAL

Dimensions	26 cm x 8.9 cm x 4.4 cm (10.25" x 3.5" x 1.75")
Weight	635 g (1.4 lb.)
Cable weight	38 g per m (0.42 oz. per foot)
Standard cable	5 m (16.3 ft.) 3xAWG22 dual-shielded, twisted pair, rated for direct burial
Warranty	1-year limited parts and labour

* 8% to 42% VMC, in controlled laboratory conditions; factory calibrated for most agricultural soils. In field applications, accuracy may slightly decrease due to the inevitable heterogeneity of soil texture, soil compaction, moisture and fluctuation in soil temperature. The accuracy may also decrease in difficult soil conditions (higher clay and salinity content). In normal conditions, GroPoint sensors will maintain their accuracy from permanent wilting through field capacity in sandy loam through clay soils with less than 60% clay particles. Under moderately saline conditions. GroPoint sensors will maintain their accuracy up to 6 ds/m.

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