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## 2.6 Technical Specifications

### 2.6.1 Mechanical Diagram

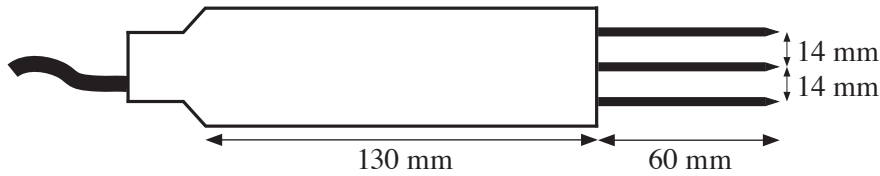


Figure 3. Mechanical Dimensions

### 2.6.2 Electrical and Mechanical Specifications

Measurement Range	0–100 VSW%
Accuracy	2 VSW% after calibration to a specific soil type, or 5 VSW% using the supplied soil calibration
Interface	Input requirements: 7–18 V DC unregulated Power consumption: 32 mA typical Output signal: 0–1 V for 0–50 VSW%
Response Time	Less than 0.5 seconds
	5 seconds approximately from power-up
Mechanical	Total length 215 mm. Diameter 40 mm Needle length 60 mm, needle separation 14 mm Exterior ABS Plastic Needles Stainless Steel Cable 4.5 m Standard
Environment	Designed for permanent burial

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