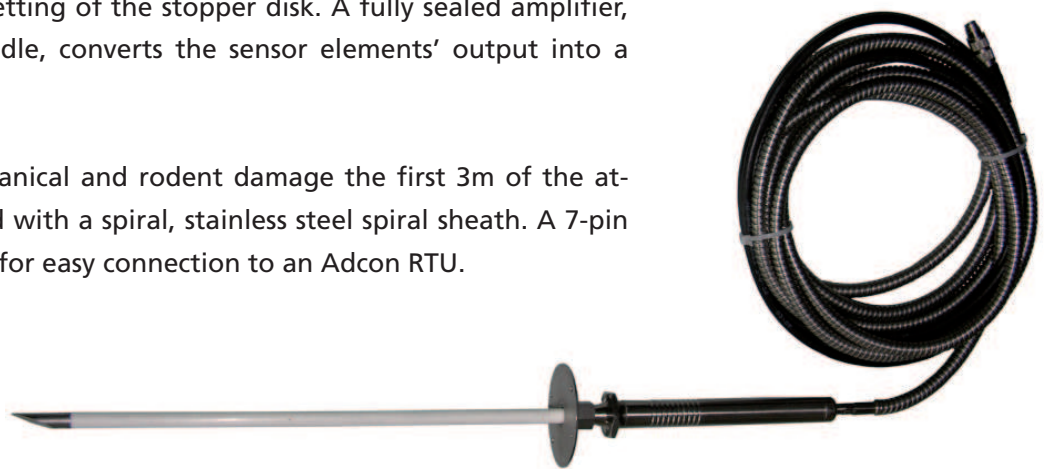


Soil - Water - Snow Temperature Sensor

The Adcon Soil Temperature Sensor is a robust instrument, built for extreme simplicity in installation and operation. The sensor element is embedded into the beveled tip of a 30cm spike. The spike is made of glass-fibre reinforced plastic to avoid thermal coupling between the handle, shaft and sensor.

The sensor can be installed vertically for measurement at 30cm or at other depths by appropriate setting of the stopper disk. A fully sealed amplifier, embedded into the handle, converts the sensor elements' output into a linear voltage signal.

To protect it from mechanical and rodent damage the first 3m of the attached cable are covered with a spiral, stainless steel spiral sheath. A 7-pin Binder connector makes for easy connection to an Adcon RTU.



Applications

- Agricultural Weather Stations
- General Meteorology
- Growth and yield models

Technical data

Dimensions	500mm length	Sensor element	pt100 Cl. B 3-wire
Diameter Spike	6mm	Measuring range	-20°C ... +40°C
Diameter Handle	15mm	Output signal	0 ... 2.5V
Weight	1.000 g	Accuracy	± 0.3°C @ 0°C
Mounting	entrench, plunge or dip sensor into media	Power supply	5 ... 8 VDC
Protection class	IP68	Cable & Connector	500cm, M9 male 7-pin, Binder
Material	tip, handle: stainless steel 1.4571 spike: glass-fibre reinforced plastic	Ordering Information	
Rodent protection	300cm of stainless steel sheath	200.733.040	ST Soil Temperature Sensor