SoilHeat Thermal Needle Probe

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The Thermal Needle

- Thermal probe used for field work in the power cable industry
- One man operation
- Probe inserted into auger excavation or base of trial pits
- Control system provides power & data storage
- One survey day sufficient for most applications
Ecton site
Ecton site
The thermal response

Ecton site 4

\[ y = 0.3376 \ln(x) + 0.297 \]
Change of temperature with season

![Graph showing change of undisturbed soil temperature with depth and season]

- **30th Sept**
- **6th Oct**

Y-axis: Undisturbed soil temp. (°C)
X-axis: Depth (cm)
Reproducible data
Ecton site
Whatstandwell site
How many readings?