

LYTE PROBE

A smart ski pole designed to measure snow

Take your snow experiments to the next level with the Lyte probe platform. Completely designed to fit your field needs. It is simple to deploy, precise, and tough enough to handle rough field conditions/logistics. The Lyte Probe is a tool to measure snow conditions as fast as they change.

Features:

- Robust impact resistant penetrometer
- Active and passive NIR
- Manual insertion with auto depth detection
- Adjustable sample rate
- Adjustable length from 1.0m to 1.5m
- Take measurements in 30 seconds
- Firmware upgrades for life
- Designed to be repaired
- Auto timestamp data
- CSV output format
- Quick release protective sensor sheath/basket
- Single button for power/start/stop
- Rechargeable Battery via USB

Usage:

1. Connect probe using our open source software **radicl** via USB
2. Take a measurement by inserting the probe into the snow
3. Repeat.
4. Do science!



Contact:
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Specifications:

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Force / NIR sample rate range	100Hz - 16kHz
Force Range	100mN - 15N
Tip Geometry	Blunt, 5mm in Diam.
NIR Emitter Wavelength	850nm
NIR Receiver Wavelength	800nm - 1100nm
Accelerometer Max Sample Rate	100 Hz
Barometer Max Sample Rate	75 Hz
Typical Auto Depth Accuracy	+/- 10% of total Depth

** Accelerometer & Barometer sampling rates are scaled with Force/ NIR sample rates automatically.*

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