



TS-130

DESCRIPTION

The TS-130 includes the TS-100 shield, EE08-SS relative humidity probe, and a ST-110-SS thermistor at a special package price.

TS-100-SS

The unique aerodynamic shape and rugged, low-power fan makes it the first research-grade fan-aspirated shield that is practical for use on battery or solar powered stations.



The ST-110 is a high accuracy thermistor (± 0.1 C from -40 to 60 C) designed to minimize solar load and thermal conduction. White heat shrink is used on the cable behind the thermistor to reduce solar load. Constantan wire is used to minimize thermal conduction down the wire towards the thermistor.

EE08-SS

The Apogee EE08-SS is a customized version of the EE08 probe made by Austrian manufacturer E + E Elektronik. After years of evaluation, the EE08-SS has emerged as our sensor of choice over more expensive probes for accuracy, stability, and durability. The Apogee EE08-SS features an improved right-angle, IP67 rated, stainless-steel M12 connector; heat-reflective white cabling; and a more durable, metal-grid dust filter. These features added by Apogee greatly improve the performance and reduce the maintenance of the probe, especially when used with a fan-aspirated radiation shield like the Apogee TS-100.

Contact info



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| | TS-130 |
|-----------------------------------------------|------------------------------------------|
| Difference among Individual Replicate Shields | Less than 0.1 C |
| Aspiration Rate | 6 m/s at full-speed, 3 m/s at half-speed |
| Fan Input Voltage Requirement | 10.8 to 13.2 V DC |
| Fan Current Draw | 80 mA at full-speed, 25 mA at half-speed |
| Fan Dust and Water Protection | IP55 |
| Operating Temperature Range | -40 to 70 C |
| Dimensions | 220 mm height, 270 mm diameter |
| Mass | 840 g |
| Humidity Probe | EE08-SS |
| Temperature Sensor | ST-110-SS |

This Instrument is manufactured by our principle company

Apogee Instruments - USA