INTRODUCTION

Alpine Hydromet has worked closely with the snow hydrology community to develop a fluidless snow pillow that better suit the needs of their monitoring environment. The FSP was designed to be easy to pack in, install, and maintain. The fluidless and modular design simplifies the transportation and installation process. Electronics for SWE calculation are not installed under the snow.
**FSP model ranges**

- 0" – 40" SWE [0 – 1,000 mm SWE]
- 0" – 80" SWE [0 – 2,000 mm SWE]
- 0" – 120" SWE [0 – 3,000 mm SWE]

**Resolution**

0.1" or 1 mm

**Accuracy**

± 0.3% FS*

**Output**

SDI-12

**Power Supply**

12V

**Active Mode Current Draw**

55 mA

**Standby Mode Current Draw**

<0.5mA

**Ingress Protection**

IP 68

**Operation Temperature Range**

-40°F to 176°F [-40°C to 80°C] nominal

**Storage Temperature Range**

-40°F to 176°F [-40°C to 80°C] nominal

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*Accuracy based on applied loads. Snow dynamics, such as bridging can influence the applied load.