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.
TECHNICAL SPECIFICATIONS

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 mm

Accuracy ...... ± 0.3% FS

Output

   Typical ...... SDI-12
   Optional ...... 4-20 mA, 0-5V

Power Supply...... 12V

Active Mode Current Draw ...... 140 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