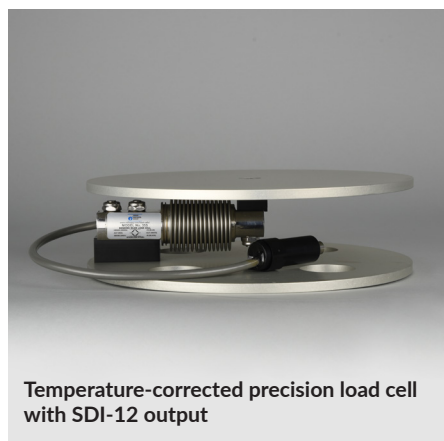
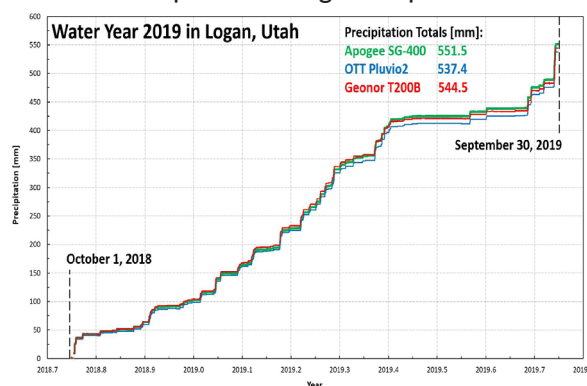




- Rugged, large capacity, all weather weighing precipitation gauge with no moving parts
- High-accuracy, stable, stainless steel load cell
- Inlet options available to meet the WMO (200 cm²) and NWS (8 in) recommendations
- Heated inlet option with double-wall construction that minimizes heater power draw
- Algorithm to filter the influences of evaporation, vibration, and temperature
- Research-quality measurements at a fraction of competition's price

Precipitation Gauge Comparison



Preliminary Specifications	
Precipitation Type	Liquid, solid, mixed
Capacity	30 L / 8 gal
Precipitation Depth	1500 mm/60 in (WMO); 900 mm/35 in (NWS)
Rate (Intensity) Range	0 to 3,000 mm hour ⁻¹
Calibration Accuracy	± 0.1 mm
Measurement Resolution	0.01 mm
Output	SDI-12
Output Interval	1 min (unfiltered data); 10 min (filtered data)
Temperature Sensitivity	± 0.01 mm C ⁻¹
Long-term Drift (non-stability)	< 4 mm yr ⁻¹ (< 0.5 % of capacity per year)
Non-linearity	Less than 0.1 mm
Transducer	Stainless steel strain-gauge bridge load cell
Operating Environment	-20 to 60 C; 0 to 100% relative humidity
IP Rating	IP67 (load cell and circuitry)
Dimensions	38 cm diameter, 80 cm height
Mass	12 kg (empty bucket)
Cable	5 m of 3-conductor wire, M8 connector (IP67)
Mounting	Holes for 15.24 cm wood post; Adapter for 10.16 cm pipe
Inlet Heater Voltage Requirement	24 V DC
Inlet Heater Current Draw	2.1 A
Inlet Heater Power Requirement	50 W (maximum)