Automatic Snow Gauge Station

Virtual Hydromet
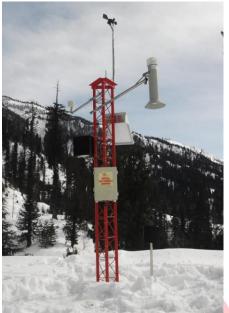
"Virtual" make Automatic Snow Gauge Station is a fully digital and self-contained power source system, fitted with Data Logger and battery charging solar panel with rechargeable, maintenance free batteries complete with sensors mounted on a tripod stand with sealed waterproof enclosure for Data Logger, Solar charger and battery. All Sensors powered directly from Data Logger and no need of external power source (until specified). Standard System comes with facility to transport Data from Data Logger to a P.C. through a pocket able data shuttle. 16x2 alphanumeric display and 4x2 membrane keypad is provided at front panel of data logger for programming data logger and monitoring sensor reading at site without the help of computer.

Specification & Features:

- Display: 16 Characters X 2 Lines alphanumeric display.
- Keyboard: 4x2 membrane keypad for onsite programming of data logger
- Measured Parameter – **Date, Time, Battery Voltage, Snow Depth, Snow Temperature, Snow Surface Temperature, Air Temperature & RH, Wind Speed & Direction.**
- Real Time Clock accuracy: Internal with ± 2 minutes / year & leap year
- Number of Channels: 16 can be extendable (at extra cost)
- Channels Configuration: Factory configured sensors as per purchase order
- Logging Interval: 1 min to 24 Hour with facility to program log Start time within next 24 hours
- Data Storage: sufficient for storing 1 year data at user's selectable 1 hour logging interval.
- Power Supply: 12V SMF battery, Battery Charging: Through Solar Panel / 220V AC mains (Optional).
- Weatherproof enclosures: provided.
- Battery Life: More than 1.5 Years (Easily Available in local Market)
- Solar Panel:: 12 Volt DC, Wattage: 10, 20 & 40 Watt (as per system power requirement)
- Operating Temperature: - 40 to 75 °C. Operating Humidity: 0 to 95 % non-condensing.
- Mast: **Default**- GI Mast. **Optional –** SS Tripod 3 meters / SS Tripod 4 meters (at extra cost)
- Data retrieval: Data shuttle (default) to Computer. Other options also available (at extra cost

Other options: Ethernet, 2G/3G/4G enabled Web based telemetry at Virtual's Portal "www.ehydromet.

Infrared Snow Surface Temperature Sensor:	Range: -40 to 70 °C	**Application Software (Virtualware)**
Air Temperature Sensor:	Range: - 40 to 123.8 ° C.	Virtualware is a user-friendly, Menu Driven,
Relative Humidity Sensor	Range: 0 to 100 %.	Windows based software allows you to view &
Snow Temperature Sensor:	Range: - 10 to 110 ° C	save collected data from data logger to
Ultrasonic Snow Depth Sensor:	Range: 0 to 8 mtrs	computer/laptop. Data file is saved in Microsoft's
Ultrasonic Type Wind Speed Sensor:	Range: 0-60 m/s	Excel format
Ultrasonic Type Wind Direction Sensor:	Range: 0 - 359 °	

Ordering Guide:

SN	Description	(With GI Mast) Model No.	(With SS Tripod Stand) Model No.	(With SS small Tripod Stand) Model No.
1	Snow Gauge with Data Shuttle option	ASG-VH-GM-D	ASG -VH-SS2-D	ASG -VH-SS-D
2	Snow Gauge with Ethernet option	ASG-VH-GM-E	ASG -VH-SS2-E	ASG -VH-SS-E
3	Snow Gauge with GPRS based Telemetry	ASG-VH-GM-GPRS	ASG -VH-SS2-GPRS	ASG -VH-SS-GPRS

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Represented by:

**Drawing / specifications are subjected to change at any time without prior notice as per manufacturing suitability.