TNIV SNOW TEMPERATURE MEASURING DEVICE

Sensor that measures the temperature of the snow blanket surface

PRODUCT DESCRIPTION

The snow blanket temperature measurement sensor, consisting of an infrared measuring device, measures the snow surface without coming into contact with it.

OPERATION

The sensor in question allows the temperature of the snow blanked to be measured using an infrared transmitter/receiver.

The peculiar engineering of this sensor allows it to be used also in extreme environmental conditions while at the same time retaining its extraordinary technical characteristics and measurement accuracy.

MAIN FEATURES

Sturdiness:
the sensor is able to operate in any atmospheric condition, including the most disadvantaged ones.

Easy maintenance:
the benefits that our pluviometric sensor offers are not limited to precision, but also include simple and quick maintenance due to the engineering of the sensor that simplifies the phases.

Sturdy and reliable construction:
lastly makes it an instrument with a long lifetime, which safeguards the customer's investment.

INSTALLATION

The sensor was designed to operate outdoors continually. The target beneath the sensor must be kept free of rocks and various obstacles that might invalidate its measurement.

It is recommended to keep the area surrounding the sensor free of obstacles for at least >1.75m

Once calibrated, the sensor requires no particular maintenance work.

The only activity suggested is to periodically check the sensor in order to verify its correct pointing and that the target is free of objects and foreign bodies.

COMPONENTS THAT CAN BE ADDED OR BE BUILT INTO THE PRODUCT

The sensor, which can be configured with a standard 4-20 mA or 0-5V output, can be integrated with any datalogger on the market. It is often combined with other weather sensors to build complete monitoring systems; to cite one of them, it is often combined with snow gauge sensors like the ETG model ULSN sensor.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Temperature sensor	-20°C .... +180°C
Power supply	8...... 36 Vdc
Output	4-20 mA or 0-5 V
Protection rating	IP65