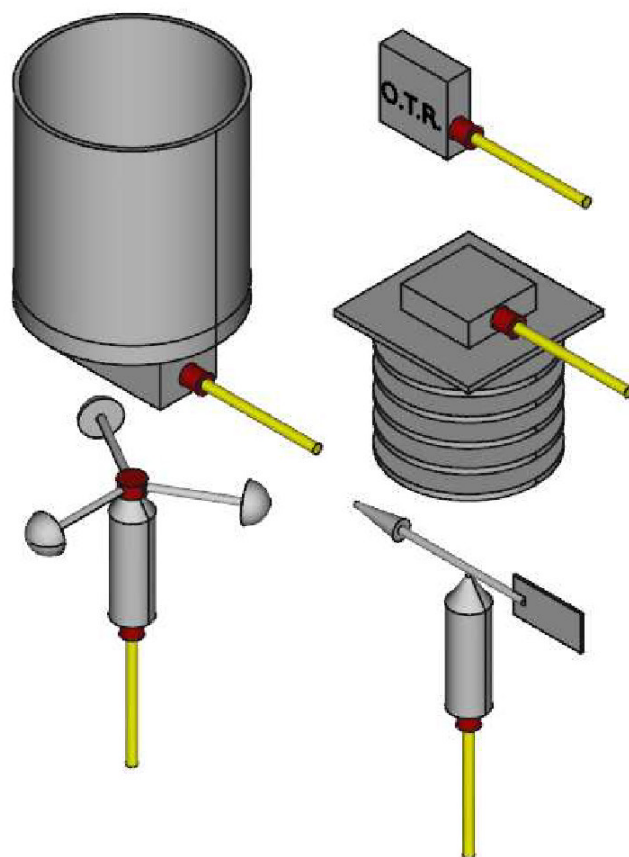




Weather Sensors

Technical Features

Weather sensors can be connected to datalogger D800-D1600 with 4-20 mA and impulsive inputs.

Applications

Weather sensors are utilized in geotechnical and structural applications to correlate outdoor conditions with:

- Level of waters in the ground;
- Thermal effects on structures;
- Wind effects;
- Superficial ground movements.

Technical Specifications



Instrument	Wind Speed and Wind Direction
Range (speed)	50 m/s
Sensitivity (speed)	0.25 m/s
Accuracy (speed)	+/- 2%
Working Temperature	-30/+70 °C
Range (direction)	Direzione 0-359°
Accuracy (direction)	+/- 2%
Uscita velocità Output (speed)	0-2 V o 4-20 mA
Output (direction)	0-2 V o 4-20 mA
Supply	12-24 Vdc



Instrument	Barometer
Range	800-1200 mbar / 800-1100 mbar
Resolution	1 mbar
Accuracy	+/- 0.5%
Output	4-20 mA





Instrument	Thermo-Hygrometer
Range (Hygrometer)	0-100 % RH
Resolution (Hygrometer)	0.05%
Working Temperature	+/- 2%
Range (Thermometer)	-40/+85 °C
Accuracy (Thermometer)	-40/+60 °C
Output (Hygrometer)	+/- 0.1 °C
Output (Thermometer)	0-1 V o 4-20 mA
Supply	0-2 V o 4-20 mA



Strumento	Pluvimetro
Area di misura	200 cmq
Risoluzione	0.2 mm di pioggia
Precisione	+/- 2%
Uscita	Ad impulsi
Materiale	Styrosan resistente agli ultravioletti