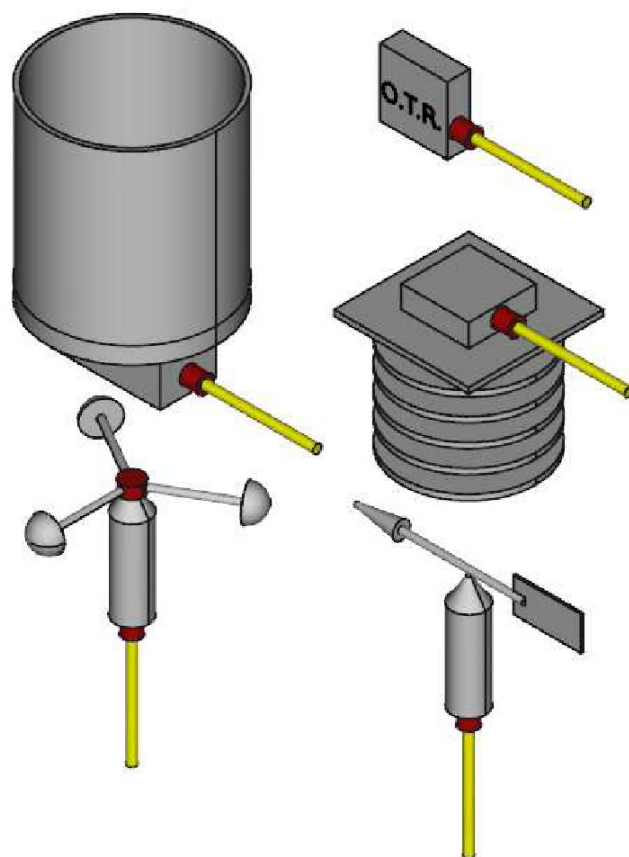




# Weather Sensors

## 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

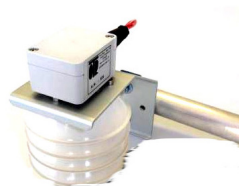


| Instrument                     | Wind Speed and Wind Direction |
|--------------------------------|-------------------------------|
| Range (speed)                  | 50 m/s                        |
| Sensitivity (speed)            | 0.25 m/s                      |
| Accuracy (speed)               | +/- 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 |