

# Solid State Weather Station

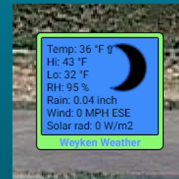
Field Telemetry Unit



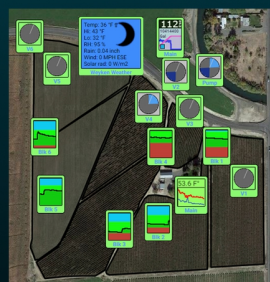
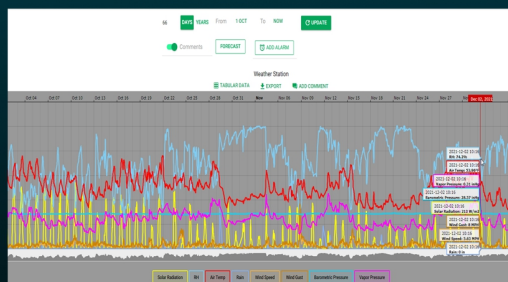
## FEATURES

Measures 12 weather variables including: air temperature, relative humidity, vapor pressure, barometric pressure, wind speed, gust and direction, solar radiation, precipitation, lightning strike counter and distance

- Easy installation
- No moving parts
- All weather station data transmitted over a single wire
- Digital SDI-12 communication
- Designed for continuous deployment in harsh climates
- No louvered radiation shield to attract bugs
- Accurate at low wind speeds because no moving parts will cause friction or fail
- Detects fine-scale wind speed variations with 0.01 m/s resolution
- Integrated weather station accelerometer detects if sensor is off-level
- Integrated spring acts as a rain gauge filter to keep out large particles but still allow enough water flow



Weyken Weather	Solar Radiation	RH	Air Temp	Rain	Wind Speed	Wind Gust	Barometric Pressure	Vapor Pressure
2021-12-06 17:03	0 W/m2	94.9%	35.96°F	0 in	0.14 MPH	0.14 MPH	28.41 inHg	0.2 inHg
2021-12-06 16:41	0 W/m2	95.6%	35.78°F	0 in	0.77 MPH	1.18 MPH	28.41 inHg	0.2 inHg
2021-12-06 16:19	0 W/m2	94.5%	35.96°F	0 in	1.31 MPH	1.31 MPH	28.41 inHg	0.2 inHg
2021-12-06 15:57	1 W/m2	94.2%	36.14°F	0 in	0.22 MPH	0.22 MPH	28.41 inHg	0.2 inHg
2021-12-06 15:35	6 W/m2	95.3%	36.5°F	0 in	1.33 MPH	1.84 MPH	28.41 inHg	0.21 inHg
2021-12-06 15:13	10 W/m2	95.2%	36.86°F	0 in	1.48 MPH	2.06 MPH	28.41 inHg	0.21 inHg
2021-12-06 14:51	20 W/m2	93.4%	37.4°F	0 in	0.63 MPH	0.63 MPH	28.41 inHg	0.21 inHg
2021-12-06 14:30	37 W/m2	94.2%	36.68°F	0 in	1.05 MPH	1.34 MPH	28.41 inHg	0.21 inHg
2021-12-06 14:08	24 W/m2	93.4%	36.86°F	0 in	0.57 MPH	1.07 MPH	28.41 inHg	0.2 inHg
2021-12-06 13:46	34 W/m2	92.7%	37.04°F	0 in	0.92 MPH	1.49 MPH	28.41 inHg	0.2 inHg



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