

# TES-3141T

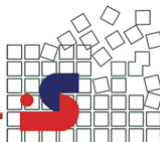
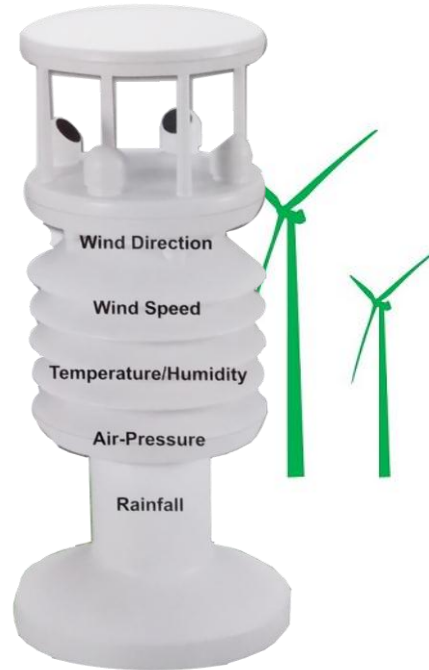
## Sonic Wind Meter (Weather Station)



- Direct reading data via the meter, don't need via PC
- Wind direction, Wind speed, Barometric pressure, Humidity and Temperature
- Wind rose plot
- Data hold & Maximum/Minimum/Average function
- Manual data memory and read function : 99 sets
- Auto data memory : microSD card
- USB interface

### APPLICATION

- Safe detection of wind direction and speed of paragliders, hot air balloons, sailboats, and the environment
- UAV, model aircraft take-off and landing, wind direction, wind speed observation
- Wind direction and wind speed information for large racing fields, archery fields and shooting ranges
- Wind direction and wind speed information of noise pollution
- Wind direction and wind speed information of air pollution
- Determination of wind direction and wind speed of agricultural spraying chemicals
- Determination of fire bridge outdoor fire, extinguishing, wind direction and wind speed
- Wind direction and wind speed information when setting the construction industry hoist and port hoist
- Management and control of cold damage in aquaculture
- Environmental assessment of wind power installations
- Agriculture, airports, construction, environmental monitoring
- Marine and Harbour applications



Weather transmitter measurement function	Wind direction, Wind speed, Barometric pressure, Relative humidity and Air temperature
Wind direction	Range: 0 to 359.9° Accuracy: $\pm 5.0^\circ$ at 10m/s Resolution: 0.1°
Wind speed	Range: 0 to 60m/s Accuracy: $\pm 5\%$ at 10m/s Resolution: 0.1m/s, 0.01km/h, 0.1m/min, 1m/hr, 0.01mph, 0.1knots, 0.1ft/min
Barometric pressure	Range: 300 to 1200hPa Accuracy: $\pm 2$ hPa at 25°C(77°F), $\pm 4$ hPa at -20 to 85°C(-4 to 185°F) Resolution: 0.1hPa, 0.001psi, 0.1mmHg, 0.01inH2O
Relative humidity	Range: 0 to 100%RH Accuracy: 25°C(77°F) $\pm 3\%$ RH at 20 to 80%RH $\pm 5\%$ RH at 0 to 20%RH & 80 to 100%RH Resolution: 0.1%RH
Air temperature	Range: -40°C to 60°C (-40°F to 140°F) Accuracy: $\pm 0.5^\circ\text{C}$ (at +5°C to +60°C) / $\pm 1^\circ\text{F}$ (at +41°F to +140°F) $\pm 1.2^\circ\text{C}$ (at -40°C to +5°C) / $\pm 2.4^\circ\text{F}$ (at -40°F to +41°F) Resolution: 0.1°C(0.1°F)
Operating temperature	Weather transmitter: -40°C to 60°C (-40°F to 140°F)
	Meter: 0°C to 50°C (32°F to 122°F)
Storage temperature	Weather transmitter: -40°C to 60°C (-40°F to 140°F)
	Meter: -20°C to 50°C (-40°F to 122°F)
Response time	1s
Housing protection class	Weather transmitter: IP65
Power requirements	Meter: Rechargeable Li-ion battery, AC adapter 9V
Battery life	Approx. 15hours (backlight off), Change time: 3 hours
Dimension / Weight	Weather transmitter: 145(Φ) x 237mm / Approx. 605g
	Meter: 158(L) x 78(W) x 40(H)mm / Approx. 242g
Accessories	Instruction manual, Rechargeable Li-ion battery, Carrying case, AC adapter, Mounting tube, CD software, micro-USB cable, 5 Meter cable
Optical	Bottom socket