WindScribe Ultrasonic Wind Meter 0276

WindScribe™ uses patented ultrasound technology to measure wind speed, temperature and wind chill. Both compact and lightweight, WindScribe contains no moving parts and has nothing to wear out or break. It's easy to use: just point into the wind. WindScribe measures windspeed in two directions. Headwinds are indicated as a positive windspeed and tailwinds are indicated as a negative windspeed. The easy to read, large LCD display includes a hold feature to capture readings. WindScribe from EKOPOWER is always ready to go, with nothing to collapse or fold in order to use it.

Specifications

Physical

Wind Speed Sensor	Ultrasonic
Temperature Sensor	Ultrasonic
Batteries	CR2032, 3 volt lithium cell
Battery Life	600 hours
Operating Temperature	-4° to +122°F (-20° to +50°C)
Storage Temperature	+32° to +122°F (0° to +50°C)
Case Material	ABS plastic
Tripod and Bracket Mount	1/4" x 20
Dimensions	5.0" x 3.0" x 0.9" (127 x 76 x 23mm)
Weight	4 oz (120 g)

Operation

Buttons	ON/HOLD button: on, display hold, off and clear. WIND button: selects wind speed display mode and units. TEMP button: selects temperature display mode and units.
Auto Shutdown	After 5 minutes of no button use and zero wind speed.

Display

Update Interval	1.25 seconds
Type	LCD

Wind Speed

Display Modes	speed (current speed, based on 1.25 second avg.), 5 second avg.,running avg., maximum, minimum
Measurement Units	MPH, knots, fps, fpm(x10)[1], km/h, and m/s
Resolution	0.1 for all units
Maximum Speed, either direction	150 mph, 130 knots, 220 f/s, 999 fpm(x10)[1], 67 m/s, 241 km/h
Minimum Measured Speed	0.4 mph, 0.3 knots, 0.06 f/s, 35.0 fpm(x10)[1], 0.2 m/s, 0.6 km/h
Accuracy	± 3%
Sample Period	80ms
Update Interval	1.25 seconds (average of last 16 samples)
Running Average Capture	Every 5 seconds
Calibration Method	No calibration required, zero speed set at startup
Calibration Drift	None

Temperature

Display Modes	current (based on 1.25 second avg.), maximum, minimum, wind chill, minimum wind chill
Resolution and Units	0.1°F or 0.1°C (user-selectable)
Range	-4° to +122°F (-20° to +50°C)
Accuracy	± 2°F (1°C) >32°F (0°C), ± 4°F (2°C) <32°F (0°C)
Sample Period	80 ms
Update Interval	1.25 seconds (average of last 16 samples)
Calibration Method	Current temperature range set at startup
Calibration Drift	None

Wind Chill

Wind Chill Range	-40° to +122° F (-40° to +50°C)
Min Wind Chill Capture	Every 5 seconds
Wind Chill Formula	Osczevski (1995) (adopted by US NWS in 2001)
Wind Chill Source Variables	Current temperature and 5 second average wind speed

[1] Multiply fpm(x10) by 10 to get actual fpm: 35.0 fpm(x10) = 350 fpm; 999 fpm(x10) = 9990 fpm.