



BALLISTICS METERS

ballisticswindmeters.com

MINI ALL IN ONE BALLISTICS CMI1086

WEATHER DATA

Apparent and real wind speed & direction, temperature, humidity and pressure via App

	WIND SPEED
Range	0.5 – 45 m/s (1.12 – 100 mph)
Accuracy	0.3 m/s or 3% at 0 - 16 m/s (0-35.8 mph) 5% at 16 - 45 m/s (35.8 – 100 mph)
Resolution	0.01 m/s (0.0224 mph)

	WIND DIRECTION
Range	0 – 359°
Accuracy	3° at 1 - 5 m/s (2.24 – 11.2 mph) 1° at 5 - 16 m/s (11.2 - 35.8 mph) 6° at 16 - 45 m/s (35.8 - 100 mph)
Resolution	1°

	TEMPERATURE
Range	-15 to 60°C (5 to 140°F)
Accuracy	±0.5 °C at 25°C (±0.9 °F)
Resolution	0.01 °C (0.018 °F)

	HUMIDITY
Range	10 – 90%
Accuracy	±3.5%
Resolution	1%

	PRESSURE
Range	500 to 1200 hPa
Accuracy	±1 hPa
Resolution	0.1 hPa

POWER

Type	Battery powered
Charging	Wireless charging Qi
Battery life (active use)	Up to 150 hours
Battery life (standby)	2,000 hours (advertising)

PARAMETERS

Sample rate	1 Hz
	CONFIGURABLE UNITS via App
Wind	m/s, km/h, knots, mph
Temperature	Celsius, Fahrenheit or Kelvin
Humidity	Percentage (%)
Pressure	hPa, inHg, mmHg, kPa or atm



DATA OUTPUT

	Bluetooth
Version	BLE 5.1 or beyond
Range	Up to 30 meters or 98 feet (free space)
Configurable interface	Calypso Ballistics App
Firmware Upgradable	via Bluetooth

SENSORS

Ultrasonic transducers (4x)
SHT40, DPS368 & NTCLE350E4103

DIMENSIONS

Diameter	43 mm (1.69 in.)
Height	70 mm (2.76 in.)
Weight	85 g (3 oz.)

MATERIAL

Injected engineering plastic (grey)

MOUNT

1/4" Female thread	
Tripod thread	1/4" standard
Mast mount	CMI1028
Phone mount	CMI1023

ENVIRONMENTAL

IP Protection Grade	IP66
Temperature range	-15/60°C (5/140°F) if no frost
Humidity range	10/90 %HR

APPS COMPATIBILITY

· Calypso Ballistics App



MINI ALL IN ONE BALLISTICS DATA SHEET

CMI1086

October 2026 English version
datasheet_miniallinoneballistics_cmi1086_rev02

C/Alfonso Solans Serrano 20, local 12,
Zaragoza, Spain 50014
+34 976 291 839
sales@calypsoinstruments.com

2655 S. Le Jeune Road, Ste #905
Coral Gables, Florida USA 33134
+1(786) 321-4334 / +1(786) 321-4793
sales@calypsoinstruments.com