

IGU-16HR

Physical Specs

Physical Size	103mm (L) × 95mm (W) × 118mm (H) (w/o spike)
Weight	1.1kg (Including internal battery and spike)
Waterproof	IP67
Recharge Time	< 3.5 hours
Charging Temperature Range	+3°C ~ +40°C
Operating temperature	-40°C ~ +70°C
Operating Life@25°C	25 days Continuous 50 days Segmented (12hours ON/12hours SLEEP)

Sensor Specs DT-SOLO 5Hz

(All parameters are specified at +22°C in the vertical position unless otherwise stated.)

Natural Frequency	5Hz
Damping	70%
Sensitivity	76.7 V/m/s (1.95V/in/s)

Sensor Specs DT-SOLO 10Hz

(All parameters are specified at +25°C in the vertical position unless otherwise stated.)

Natural Frequency	10Hz
Damping	70%
Sensitivity	78.7 V/m/s (2.0V/in/s)

Electronics Specs

(@ 2ms sample interval, 31.25 Hz, 25°C, unless otherwise indicated)

ADC resolution	24 bits
Sample intervals	0.25, 0.5, 1, 2, 4 ms
Preamplifier gain	0dB to 36dB, in 6dB steps
Anti-alias filter	206.5 Hz @ 2ms (82.6% of Nyquist) Selectable - Linear Phase or Minimum Phase
DC blocking filter	1Hz to 10Hz, 1Hz increments or DC Removed
GPS Time Standard	1ppm
Timing Accuracy	± 10μs, GPS Disciplined
Maximum Input Signal	± 2.5V _{peak} @ Gain 0dB
Dynamic Range	125 dB @ 2ms Gain 0 dB
Equivalent Input Noise	0.18μV @ 2ms Gain 18 dB
Total Harmonic Distortion	< 0.0002% @ Gain 0dB
Common Mode Rejection	> 100 dB
Gain Accuracy	< 0.5%