INOVA®

QUANTUM®

EXTERNAL CONNECTOR MODEL

FEATURES

- All-in-one single component recording unit with option to connect external analog sensor
- 50 days typical, 24 Hr operation
- Local 16 GB data storage
- Optional HyperQ long range wireless QC technology

GENERAL SPECIFICATIONS

No.of Analog Channels:	1
Data Storage Capacity:	16 GB non-volatile flash memory
Integrated Battery:	Rechargeable Li-ion
Battery Life:	50 days typical, 24 Hr operation
	42 days typical, 24 Hr operation with HyperQ
Wireless Communication:	Bluetooth LE, Optional HyperQ
GPS:	L1-GPS /QZSS, GLONASS, BeiDou, Galileo
Timing Accuracy:	+-5 µs
Internal Sensor:	Vertical 5Hz or 10Hz high-sensitivity geophone
External Connector Type:	KCK
External Sensors Supported:	Single high-sensitivity geophone, single high-sensitivity marshphone
Charging Temperature:	+5 °C to + 40°C
Operating Temperature:	-40 °C to + 70 °C
Water Immersion:	IP68

ANALOG SPECIFICATIONS

A/D Converter:	24-bit
Sample Rates:	1 ms, 2 ms, or 4 ms
Gains:	0 dB, 6dB[1], 12 dB, 18dB[1], 24dB[1]
Maximum Input Signal (RMS):	3.535 V @ 0 dB , 1.768 V @ 6 dB
	0.884 V @ 12 dB, 0.442 V@18dB
	0.221 V @ 24 dB
Equivalent Input Noise* (RMS):	1.408 µV @ 0 dB
	0.712 µV @ 6 dB, 0.368 µV @ 12 dB
	0.202 µV @ 18 dB, 0.132 µV @ 24dB
Instantaneous Dynamic Range*:	128 dB @ 0 dB,128 dB @ 6 dB
	128 dB @ 12 dB,127dB @ 18 dB
	124 dB @ 24 dB
System Dynamic Range*:	148 dB
Total Harmonic Distortion:	<0.1% with 10Hz HS phone
	<0.2% with 5Hz HS phone
Channel Matching:	Better than 1%

*Typical specifications @ 2 ms @ 25°C

[1]Gain option when operating in hybrid with G3i® HD

Corporate Headquarters: 13000 Executive Drive, Suite 100, Sugar Land, TX 77478 • p +1.281.568.2000 • www.inovageo.com

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PHYSICAL

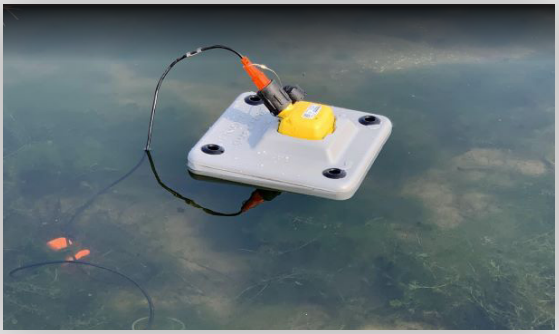
Size:	13.5 cm x 11.7 cm x 10.7cm (5.31" x 4.61" x 4.2") (Excl. spike, dustcap)
Weight:	0.66 kg (1.46 lbs) with internal battery and internal geophone

AUTOMATED TESTS

Unit temperature, sensor tilt, system equivalent input noise, sensor noise, dynamic range, geophone DC resistance, THD, natural frequency, damping, sensitivity

NODE FLOAT (OPTIONAL)

- Node floation device suitable for marsh nodal operations



PHYSICAL

Size:	30.48 cm x 30.48 cm x 7,92 cm 12" x 12" x 3.12 ")
Weight:	0.841 Kg (1.85 lbs)

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