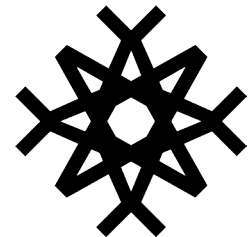


WATER-POWERED DRILLING



Wassara

TECHNICAL SPECIFICATION: OPTIMIZATION WHILE DRILLING - OWD

The Wassara OWD kit is a diagnostics kit for use on percussive rigs using Wassara hammers. This portable and easy-to-use instrument gives drillers and field technicians, among other things, a reading of the hammer frequency, parameter optimisation potential and the needed values and metrics to follow in order to tune their rig correctly and avoiding having underperforming hammers. It consists of a wireless sensor, a receiver and a rugged field PC running Wassara's optimization software.



Rugged Field PC and Receiver



Wireless Sensor



OWD - Carrier Case

Technical specifications – Rugged Field PC	
Model	Handheld Algiz 8
Dimensions	225 mm x 147 mm x 24 mm (8.8" x 5.7" x 0.9")
Weight	990 g (2.18 lbs) (including battery)
Memory / Disk	4 GB DDR3L RAM / 128 GB SSD
Operating System	Windows 10 Enterprise CBB (64-bit)
Screen	8" Capacitive Touchscreen with chemically strengthened glass <ul style="list-style-type: none"> • Rain mode and Glove mode • Supporting active pen • Resolution: 1280*800
Connections	<ul style="list-style-type: none"> <li style="width: 50%;">• 1 x DC power port <li style="width: 50%;">• 2 x USB Host 3.0 Type A <li style="width: 50%;">• 1 x Micro HDMI <li style="width: 50%;">• Micro SDXC <li style="width: 50%;">• Micro SIM

TECHNICAL SPECIFICATION: OPTIMIZATION WHILE DRILLING - OWD



Technical specifications – Wireless transmitter - Vibrations sensor	
Measurement range	8g
Sampling rates	512 Hz
Wireless communication range	Outdoor/line-of-sight: 2 km (ideal)* (6 600 ft), 800 m (typical)** (2 600 ft), Indoor/obstructions: 50 m (typical)** (165 ft)
Radio frequency (RF) transceiver carrier	License-free 2.405 to 2.480 GHz with 16 channels
Power source	3 x 3.6 V, ½ AA batteries (Saft LS 14250 recommended)
Dimensions	46.6 mm x 43 mm x 43.8 mm (1.84" x 1.69" x 1.73")
Weight	122 grams (0,27 lbs), Sensor with 3 batteries
Expected battery life	550 hrs. (23 days)
Environmental rating	IP67

*Measured with antennas elevated, no obstructions, no RF interferers.

**Actual range varies with conditions.

Technical specifications – Wireless receiver gateways		
Connectivity	USB 2.0 virtual serial communication @ 3mbps	
Wireless communication range	Typical*	Ideal**
	LXRS	1 km (3 300 ft) 2 km (6 600 ft)
	LXRS+	400 m (1 300 ft) 1 km (3 300 ft)
Operating temperature	-40 °C to +85 °C (-40 °F to +185 °F)	
Dimensions	Wireless gateway: 46.6 mm x 43 mm x 44 mm (1.83" x 1.69" x 1.73") USP gateway: 58.2 mm x 20.3 mm x 10.8 mm (2.28" x 0.80" x 0.42")	

*Measured with antennas elevated, no obstructions, no RF interferers.

**Actual range varies with conditions.

Technical specifications – OWD carrier case	
Carrier case	Peli 1450 Hard Case
Dimensions (outside)	406 mm x 330 mm x 175 mm (16" x 13" x 6.9")
Case weight	2.90 kg (6.4 lbs)
Total weight	5.70 kg (11 lbs)
Rating	IP67 (waterproof), ATA 300, STANAG , MIL
Material	High impact structural Copolymer Polypropylene