



PN 101100

DynaLogger TcAs

Dyna Predict Solution

The DynaLogger TcAs device is a Bluetooth data logger with vibration and temperature sensors, which monitors machine condition and performs spectral analysis.

Technical Specifications

Physical Characteristics

Dimensions	36.6 x 33.6 x 18.8 [mm]
Weight	33.8g
Material	LEXAN™
Color	Green
Mounting	Glued
LED	Red and Green
Electronic Sealing	100% Resinated
Operation Temperature	-10 °C ≤ T ≤ 84 °C

Battery

Voltage	3,0 V
Autonomy	3 to 5 years (depending on usage)

App

Operational System	Android
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Spectral Settings

Maximum Sample Rate	5 kHz
Triaxial Spectral Analysis	Up to 2.5 kHz
Maximum number of lines	Up to 32.768 triaxial @ 8 bits
	Up to 98.304 uniaxial @ 8 bits

Performance

Bluetooth	BLE 5.3 / 2.400 - 2,483.5 MHz
Free Field Range	60m (App) / 80m (DynaGateway)
Monitoring of Global Values (telemetry)	Contact Temperature
	Triaxial RMS Velocity
	Triaxial RMS Acceleration
	Triaxial RMS Displacement
	Triaxial Average
	Triaxial Peak
	Triaxial Peak to Peak
	Triaxial Skewness
	Triaxial Kurtosis
Maximum sampling frequency of telemetry	5 kHz
Memory	Up 12.800 samples
Sampling Period	1 a 60 (min)
Temperature Resolution	0.01 °C
Margin of Error	± 0.2 °C
Dynamic Range	± 16g

This equipment is not entitled to protection against harmful interference and must not cause interference in duly authorized systems. This product is not suitable for use in a domestic environment, as it may cause electromagnetic interference that requires the user to take necessary measures to minimize these interferences.