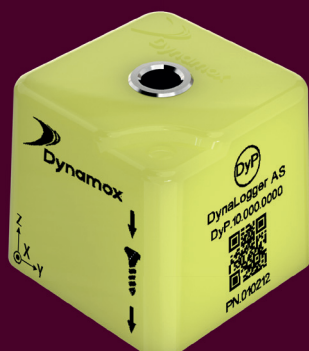


DynaLogger AS

DynaPredict Solution



DynaLogger AS (Asynchronous) is a data logger with sensors, designed to monitor machine health. DynaLogger AS is capable of collecting asynchronous measurements and performing spectral analyses.

PN 010212



"Image is merely illustrative and may not reflect the final version of the received product"

Technical Specification

Physical Characteristics

Dimensions	39 mm x 39 mm x 35 mm
Weight	67 g
Material	LEXAN™
Color	Yellow
Mounting	Glued or screwed
LED	Red and green
Antenna	Internal
Electronic Sealing	100% Resin
Certifications	INMETRO AEx
Safety Marking	Ex ma IIB T6 Ga
	Ex ta IIIC T85 °C Da
Protection	IP66 / IP68
Homologation	ANATEL

Battery

Operating Temperature	-10° C ≤ T ≤ +84
Voltage	3.0 V
Autonomy	3 to 5 years (depending on usage)

App

Operational system	Android and iOS
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Accessories

Screw	M6x1x50
	Stainless Hex Socket
Spring washer	M6

Performance

Bluetooth	BLE 5.0 / 2400 - 2483.5 MHz
Range	60 m (free field)
Overall vibration levels monitored	Triaxial RMS velocity
	Triaxial RMS acceleration
	Contact temperature
Memory	7,116 samples
Sampling Period	1 to 60 (min)
Temperature Resolution	0.01 °C (-10 °C to 80 °C)
Margin of Error	± 0.5 °C (-10 °C to 80 °C)
Acceleration	± 16 g with Auto Range
Spectral Analysis	3 axes 0.25 Hz - 1 kHz
Sampling Rate	2 kHz
Number of lines	Up to 16,000
Asynchronous Measurements	Available

Spectral Settings

Triaxial

Max. frequency (Hz)	Number of lines (per axis)			
	1024	512	1024	2048
0.5s		1.0s	2.0s	4.0s

Uniaxial

Max. frequency (Hz)	Number of lines (per axis)					
	1024	512	1024	2048	4096	8192
0.5s		1.0s	2.0s	4.0s	8.0s	16.0s

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.