

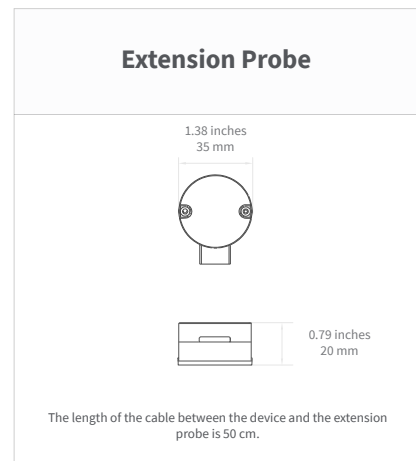
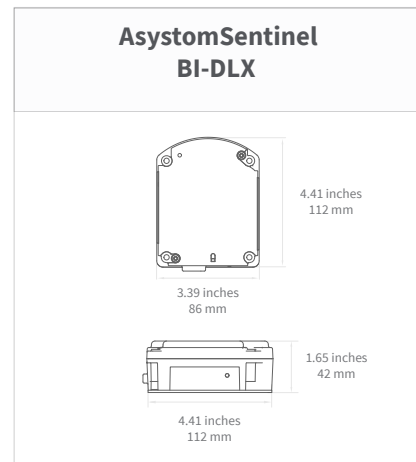


**A unique, innovative and scalable technology to monitor industrial machines regardless of design or age.**

A TURNKEY SOLUTION	<p>AsystemSentinel is an intelligent, multi-sensor device that captures and analyzes the signals from equipment and autonomously communicates the results to a secured, private cloud server via wireless LoRa (LongRange) network. It provides real-time status of each monitored equipment and alerts in case of anomalies. All the collected data are available from a visualization platform that can be consulted on all media. The AsystemSentinel device is managed remotely through the same visualization platform.</p>	
	 <p>AsystemSentinel device works on motors, pumps &amp; valves + Gateway + Cloud Services + Visualization platform</p>	

SPECIFICATIONS	
<b>WEIGHT</b>	1.10 lbs, 500g (with battery)
<b>MOUNTING</b>	Very high bonding adhesive qualified by Asystem Other mounting option, contact us
<b>SENSORS</b>	<b>Monitoring</b> Vibration analysis : Typical Bandwidth 2Hz to 1750 Hz Sampling rate : 4.5 kHz Full scale range +/- 16g Typical RMS noise : 7 mg Nonlinearity : +/- 0.5 % Acoustic analysis: Typical Bandwidth 70 kHz Sampling rate : 180 kHz (120 db SPL) Signal-to-Noise : 64.3 dB Total Harmonic Distortion : 0.20% Surface temperature : -40 °C to + 80 °C -40°F to + 176°F Ambient temperature: 0 to 58°C .
	<b>AsystemAdvisor applicability</b> Rotating machines from 300 RPM. For other use cases contact us.
	<b>External Sensor (Option)</b> Current input 4-20 mA (max. 0-30 mA) - Input 0-3V Wet Contact (On / Off) - Maximum 24V
	<b>Other sensors<sup>(1)</sup></b> Contact us for other sensor integration on project basis (temperature probe or other).
<b>CONNECTIVITY</b>	LoRa wireless network (Long Range) via private or public LoRaWAN
<b>MEASUREMENT FREQUENCY</b>	Measurement frequency adjustable from 1 minute Measurement can be set upon a wake up event
<b>COMMUNICATION</b>	Bidirectional between devices and server
<b>POWER</b>	4xAA lithium batteries up to 10 years autonomy. (typical at 1 measurement per hour)
<b>ENVIRONMENT</b>	Working temperature : Device : -40°C to +58°C (-40°F to + 136°F) Extension Probe : -40°C to 80°C (-40°F to +176°F) Relative Humidity : Designed for outdoor use
<b>CASING</b>	IP 66



## PRODUCT REFERENCE

PREDICTIVE DEVICE (ASYSTOMSENTINEL)

# BI-DLX-1xx-00

### LORA VERSIONS BY REGIONS


Ref.	Model	Region
0	EU868	Europe, MEA
1	US915	North America
2	AS923	Asia Pacific
3	AU915	Brazil
(2)		Other

### ADDITIONAL VERSIONS<sup>(1)</sup>

2	Current loop 4-20 mA or Voltage 0-3 V
3	Wet contact

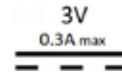
### ASYSTOMSENTINEL INTELLIGENT DEVICE

### ADDITIONAL ASYSTOMSENTINEL MODELS

		STANDARD FEATURES
MODELS	BS-DLX (on-project basis)	Vibration analysis Acoustic analysis Contact temperature Ambient humidity Ambient temperature
	BX-DLX (  )	Vibration analysis Acoustic analysis Contact temperature Battery life extension Extension probe

## CERTIFICATIONS

The marking on the product certifies that the product conforms to the following guidelines. A copy of the certificate can be provided upon request.



Rated voltage and maximum current



Waste management (WEEE)

REFERENCE	DESCRIPTION
2011/65/EU	Restriction of hazardous substances (RoHS)
2012/19/EU	Waste of electrical & electronic (WEEE)
2014/30/EU	Electromagnetic compatibility (EMC)
2014/53/EU	Radio Equipment (RED)
ETSI CEI 61010-1	Safety rules for electrical measuring equipment, regulation and laborator

<sup>1</sup>With extension probe, vibration, acoustic and contact temperature measurements are collected from the extension probe.

<sup>2</sup>Contact us for more information.