

## TECHNICAL SHEET DL16-08-GS-L

**DATALONG16®** is a Dynamic and innovative Company, created to offer new technologies in the field of communications directed to the control and monitoring of any type of product.

The **DL16-08-GS-L** is a compact, and autonomous **device**, with real-time internet connectivity and GPS enhanced location. It has sensors of **temperature, humidity, atmospheric pressure, geolocation, orientation and of impacts.**

It has connectors for **additional complements** that will give you some new functionalities.



This model, has devices whose scope of communications can be **national, continental, or worldwide** depending on the **Communications Plan** chosen.

<i>Functions</i>		<i>DL16-08-GS-L</i>
<b>Temperature</b>		
	<i>Internal Temperature</i>	-15°C/+85°C (5°F/+185°F)
	<i>Temperature precision</i>	±0.4°C from -15 a +85°C (±32,7°F from 5/+185°F)
	<i>Temperature resolution</i>	0,1 °C (32,2°F)
<b>Shocks</b>		
	<i>Range</i>	>1,5 G - Shock Yes
<b>Barometric Pressure</b>		
	<i>Range</i>	260hPa - 1260hPa
	<i>Precision</i>	± 0.1hPa (25°C)
	<i>Resolution</i>	1 hPa
<b>Geocalitation</b>		
	<i>GPS</i>	1575.42 Mhz
	<i>GSP Precision</i>	± 50 m ( with GPS on )
	<i>GLONASS</i>	1601.71 MHz
	<i>GLONASS Precision</i>	± 50 m ( with GPS on )
<b>Flight Mode</b>		
	<i>Automatic Flight Mode</i>	Yes
<b>GSM Communications Network</b>		
	<i>Communications</i>	2G
	<i>Frequency Bands</i>	850/ 900/ 1800/ 1900 MHz
	<i>Mobile Station</i>	Class B
	<i>GPRS</i>	Multi-slot Class 12
	<i>GSM</i>	Class 4 (2W @ 850/ 900 MHz) Class 1 (1W @ 1800/1900MHz)

	Scope	WorldWide - Limited according to Communication Plan
<b>Usability</b>		
	<b>Programming and decision support</b> <b>Alarm system</b> <b>Notification of alarms</b> <b>Memory</b> <b>Capacity</b> <b>Send data</b> <b>Event log</b> <b>Encryption data file and log</b> <b>Minimum Programming Interval</b> <b>Minimum platform synchronization time</b> <b>Remote Update</b> <b>Unit of time</b> <b>Reprogramming</b> <b>Data Warehousing</b>	Real time from the web platform Programmable by criteria defined in Platform Platform and/or email 16MB flash 40.000 records GPRS with encryption Available by version Included 1 minut 5 minuts Active (V.1.1) Minute Real time from the web platform The lower of the parameters: 1 year or 1Gb data
<b>Connections</b>		
	Wireless	Bluetooth 4.1
<b>Operating Environment</b>		
	<b>Operating Temperature</b> <b>Operating Humidity</b> <b>Storage Temperature</b> <b>Storage Humidity</b>	-15°C/+85°C (5°F/-185°F) 0 - 80% RH -15°C/+85°C (5°F/-185°F) 0 - 80% RH
<b>Battery Specification</b>		
	<b>Battery level</b> <b>Battery type</b> <b>Battery duration</b>	0-100% level 6 Lithium batteries 3,6V / 2,6 mA. Mod. ER-14505 (AA) See enclosed picture
<b>Mechanic specifications</b>		
	<b>Weight (gr / oz)</b> <b>Size (cm / nches)</b>	235 gr / 8.2 oz 12,7 x 7,5 x 4,5 cm / 5,0 x3,0 x 1,8 in
<b>Accesories</b>		
	<b>Documentation</b> <b>External Probes</b> <b>ModBus adapter and RS-485 cables</b> <b>Power Supply and Batteries</b> <b>Supports</b> <b>Certifications Traceables and Official</b>	DL16 Quick Start Guide Optional. View Add-ons Guide Optional. View Add-ons Guide Optional. View Add-ons Guide Optional. View Add-ons Guide Optional. View Add-ons Guide
<b>Certifications</b>		
	<b>Welmec</b> <b>Normative</b> <b>IP Level</b>	<b>Welmec level C ( in process )</b> <b>EN 13485 - EN 12830 ( in process )</b> IP65

## Battery life

FUNCTION	Units	VERY HIGHT	HIGHT	NORMAL	MEDIUM	LOW	ULTRA LOW
<b>TIME OF LIFE</b>	months	<b>6,8</b>	<b>9,5</b>	<b>13,3</b>	<b>14,0</b>	<b>18,9</b>	<b>27,6</b>
Reading Sensors every...	minutes	1	1	2	2	5	5
Save réconds every...	minutes	5	10	10	15	15	30
GPS position every...	minutes	5	10	10	15	10	30
Shipping Records every...	minutes	60	60	120	60	30	60
Shipping Status every...	minutes	10	15	15	15	15	15
Average working temperat.	°C	+20°C	+20°C	+20°C	+20°C	+20°C	+20°C