

# HULLMOS®

## LBSG SENSOR DATA SHEET, type LBSG\_Exi

Resolution	infinite
Bandwidth	0 ... 5 Hz
Linear Range	± 2000 microStrain
Max. Dimension	2420x 300x 148 mm
Degree of Protection	IP 56
Material	AISI 316 (all parts exposed to climate)
Cabling	shielded cable, twisted pair
Exi	with Zener barriers between passive sensor unit and separately mounted electronics unit ARN_01
Temperature Range	-25 °C ... +70 °C
Vibration	- Frequency Range 3 ... 13.2 Hz: Amplitude 1.0 mm (peak value) - Frequency Range 13.2 ... 100 Hz: Acceleration Amplitude 0.7 g
Output:	- 0.443 mV/mm (at 5V bridge excitation voltage and Zener barrier, MTL 761)
Output with separate HULLMOS Electronics Unit, ARN_01	Interface Protocol    ARCNET Baud Rate            1.25 Mbps or 625 Kbps Processed signal characteristics (representing interval from 5 to 30 min.). <ul style="list-style-type: none"><li>- Signal Mean Value</li><li>- Signal Standard deviation</li><li>- Signal Peak Values</li><li>- Average Zero/ Mean Crossing Period</li><li>- Rainflow Count</li><li>- 10 sec. Signal History, sampled at 500 Hz</li></ul> Signal sampled at 20 Hz

Resolution with separate HULLMOS Electronics Unit, ARN\_01

5 microStrain

Supply with separate HULLMOS Electronics Unit, ARN\_01

12 ... 24 VDC

Cabling with separate HULLMOS Electronics Unit, ARN\_01

RS 485, shielded cable, twisted pair