

HULLMOS®

LBSG SENSOR DATA SHEET, type LBSG_ARCNET_01

Resolution	5 microStrain
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
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 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.). - Signal Mean Value - Signal Standard deviation - Signal Peak Values - Average Zero/ Mean Crossing Period - Rainflow Count - 10 sec. Signal History, sampled at 500 Hz Signal sampled at 20 Hz

Supply to Electronics Unit, ARN_01

12 ... 24 VDC

Cabling to HULLMOS Electronics Unit, ARN_01

RS 485, shielded cable, twisted pair