

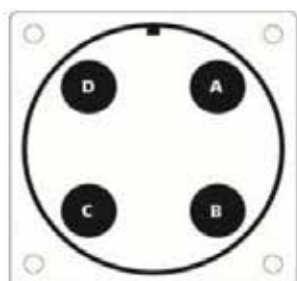
Leica SP15

Sensor for Dozer

Data Sheet



The Leica SP15 sensor has three internal accelerometers and is also equipped with gyroscopes that significantly improve positioning data. Depending on the end software, the sensor will run in different modes with different outputs.



MIL, male, 4-pin connector

Pin assignment

PIN	Output
A	Vcan
B	GND
C	CAN low
D	CAN high

Environmental Data

Water/Dust rating	IP68
Operation temperature	-20°C to 60°C
Storage temperature	-40°C to 80°C

Mechanical Data

Weight	975 g
Dimensions	153 x 87 x 39 mm
Material	Steel EN 10130-DC01 AM
Colour	Black RAL 9005
Surface treatment	Powder paint

Operational Characteristics

3 axis	3 gyroscopes
Accuracy typical	± 0.2° (±30° range) at 25°C

Compliance

CE	2014/30/EC EMC 2011/65/EC RoHS 2012/19/EC WEEE
FCC	Part 15, Class B

Standards

EMC	ISO13766-1:2018 ISO13766-2:2018
Mechanical	EN/ISO 12100:2010

Electrical

Voltage range	9 -36VDC
Current consumption	0.05A @ 24V
Physical interface	1x CAN 4-pins MIL