



SXM FLS01
Fuel level sensor

Siera Xtreme Mobile is a line of MNDVRs, dashcams, and bodycams with advanced features designed to meet all the needs of the mobility market.

Key Features

- Non-contact ultrasonic technology (drill-free installation)
 - Compatible with diesel, gasoline, water, and other liquids
 - High accuracy: 99.5%
 - Resolution: 0.1 mm
 - Integrated Bluetooth BLE 5.0
 - Outputs: RS232 / RS485 / Analog (0~5V)
 - Fuel theft and refueling alarm
 - IP68 protection
- Power supply: 9~72V DC

Performance	
Measurement Range:	3 to 250 cm
Resolution	0.1 mm
Accuracy:	99.5% (diesel at 25°C)
Blind Zone:	3 cm
Beam Angle	11°
Maximum Tank Thickness:	up to 12 mm
Electrical	
Power Supply:	9~72V DC
Maximum Consumption:	0.7W @ 12V
Communication	
Interfaces:	RS232 (default) / RS485 Analog 0~5V Bluetooth BLE 5.0
Serial Communication:	9600 baud rate (customizable), 8 data bits, 1 stop bit, no flow control, no parity
Compatible Protocols:	Teltonika, GEOTAB, BCE, Ruptela, Omnicomm LLS, CR, Calamp, Atrack, Fifotrack, Queclink, Meitrack, Concox, Queclink, Xirgo, Wireless Link
Environmental Conditions	
Operating Temperature:	-40°C to +85°C
Humidity:	5% ~ 99%
Protection:	IP68
Explosion-proof Certification:	Exd II CT5
Wiring	
Red:	Power +
Black:	GND
Yellow:	RS232 TX / RS485B
White:	RS232 RX / RS485A
Green:	Analog output 0~5V
Cable Length:	9 meters

