

Technical data sheet

SePem[®] 01 GSM

Device data	
Dimensions (W x D x H)	51 x 50 x 108 mm
Weight	560 g
Material	die-cast aluminium housing, hard anodised and painted

Certificates	
Certificate	CE, FCC, IC
Marking	contains FCC: QIPBGS3 IC: 7830A-BGS3

Device elements	
Signal light	1 LED
Memory	128 kB
Processor	16-bit processor
Operation	magnetic activation via reed contact

Operating conditions	
Operating temperature	-20 °C – +55 °C
Storage temperature	-20 °C – +70 °C
Humidity	100 % r.h.
Atmospheric pressure	900 – 1180 hPa
Protection rating	IP68
Permitted operating environments	outdoors submersible to 1 m
Non-permitted operating environments	in liquids other than water in aggressive media in potentially explosive areas
Normal position of use	horizontal or vertical

Power supply	
Power supply	2 × lithium metal batteries [1355-0014 and 1355-0016] (can only be replaced by manufacturer) [
Lithium mass per battery	0.71 g and 0.82 g
Operating time, typical	4 years (when using default settings)

Data logging	
Sampling rate	adjustable 1 s – 1 h

Data transmission	
Transmission frequency	Quad-band GSM 850/900/1800/1900 MHz
Communication	GSM and cable
Power	2 W

Additional data	
Attachment option	magnetic at measuring point
Shipping instructions	UN 3091: lithium metal batteries contained in equipment or lithium metal batteries packed with equipment net weight of battery/batteries: 0.047 kg

Assignment	
For use with	SePem software antenna adapter (various lengths)

106802 – 23.03.2017 – Subject to technical changes.