

# RADIUS EX BATTERY



KONGSBERG



## RADIUS REPLACEMENT BATTERY FOR EX TRANSPONDERS

The RADIUS replacement battery pack for RADIUS 550X and RADIUS 700X transponders consists of a primary cell and a series resistor and is non-rechargeable. The battery pack is intrinsically safe. The cell with its infallible resistor is completely moulded inside a stainless steel container. For use and instructions of the battery pack, refer to the RADIUS 550X and RADIUS 700X Instruction Manuals.

## TECHNICAL SPECIFICATIONS

### BATTERY BUILD-UP

Supplier model number	Xeno Energy XL205F/T1
Chemistry	Thionylchloride lithium battery
Primary D cell	IEC R20
Lithium metal content	4.8 g

### ELECTRICAL SPECIFICATIONS

No load voltage	Max 3.67 V, (3.9 V IEC 60079-0)
Infallible integrated current limiting resistor	390 R
Output current	Max 10.1 mA
Available power from pack	Max 39.4 mW
Capacity	19 Ah

Battery is non-rechargeable.

### WEIGHTS AND DIMENSIONS

Total weight	0.34 kg
Cell weight	98 g
Battery pack (incl. mounting tabs)	108 mm x 57 mm x 48 mm

### ENVIRONMENTAL SPECIFICATIONS

Operational temperature range	-25 to +60 °C
Ingress protection	IP66
Humidity	99 % non-condensing
Drop tests	4 times onto a concrete floor from 1 m height in ambient temperature of -30 °C

Storage time	Over 10 years at temp. below +30 °C
Self discharge rate	1 to 2 % per year at room temperature
Storage short term	+5 °C to +40 °C
Storage long term	< +30 °C (recommended)

### MECHANICAL SPECIFICATIONS

Vibration	IEC 60945/EN 60945
Battery enclosure material	Stainless steel
Battery cell and resistor	Moulded inside metal container with 3M Scotch-Weld™ Epoxy Adhesives type DP190 Grey

### ATEX, IECEx AND INMETRO CERTIFICATES

EC type examination certificate,	PRESAFE 17 ATEX 10742X
IECEx certificate of conformity	IECEx PRE 17.0044X
Inmetro certificate	DNV 13.0035 X



### TRANSPORT REGULATIONS

The bare battery cell is subject to Class 9, UN 3090/3091 regulations. Due to complete encapsulation with casting compound, mechanical protection and energy limitation, these regulations may be waived.

*Specifications subject to change without any further notice.*

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### KONGSBERG SEATEX

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