



MUIR MATHESON
WEATHER MONITORING

SAAB Wave Radar



The Wave Radar Rex is a third generation wave and sea level sensor. It is a non-invasive, highly stable system for the measurement of waves and sea level in the offshore, renewable energy and coastal monitoring environments. Microwave radar is a perfect medium for the extreme demands of the harsh offshore environment. The downward looking non-contact sensor uses a microwave radar technique to measure distance to the sea surface.

The sensor provides maximum protection to encrustation by salt, chemicals and other waste deposits. Experience has proved it to be reliable and trouble-free in operation. The transmitter head consists of a flame proof anodised cast aluminium alloy enclosure with an integral junction box. A weather protection cover is fitted to provide protection from direct solar heating.

Manufacturer	Rosemount
Range	3-65 metres from surface
Accuracy	Range <50m = +/- 6mm Range >50m = +/- 12mm
Operating Conditions	-40....+70°C
Power Supply	100 to 240V AC +10-15% max 50-60Hz (Mains version) 20 to 28V DC +10-15% (DC version)
Output Data	Digital two wire FSK field bus binary data output Eex "e" (non IS) 2 to 10Hz (4Hz default) - factory selectable RS232 at 4800 baud
Weight	26kg
MTBF	105,120 hrs
IP Rating	IP67
Approvals	BASEEFA03ATEX0071X EX II1/2G EEx d IIB T6 (Tamb = -40°C to +70°C)

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