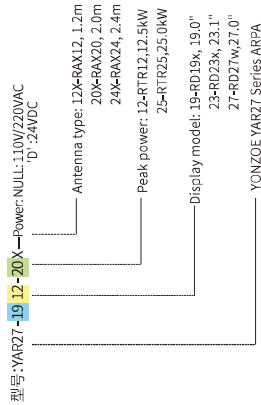


- Antenna & Scanner Unit

Name	Parameters	Note
Output frequency	940±0.3MHz	
Output power (peak)	12.5mW	RTR25 25.0dW
Antenna Type	Skirted waveguide array	
Polarization	Horizontal	
Model	RAKX2.0	
Length	6.5(2m)	RAKX2.4 8(2.4m)
Beam width(H)	1.85°	1.25° 0.95°
Beam width(V)	22°	22°
Sidelobe within ±10°	-24dB	-28dB
Sidelobe outside ±10°	-30dB	-32dB
Rotation	240Pin	
Pulse length	0.075µs@15µs; 3µs@5µs; 7µs@1.2µs	
Pulse repetition frequency	500Hz±1.000Hz; 1500Hz±3000Hz	
IF	60MHz	
Minimum range	25m	
Range discrimination	25m	
Range accuracy	1%	1% of maximum range in use or 20m, whichever is greater
Bearing accuracy	≤1°	
Environmental conditions		
Ambient temperature	-25°C~+55°C	IEC 60945 Ed.4
Storage temperature	-70°C~+70°C	IEC 60945 Ed.4
Waterproof	IP66	IEC 60529
Performance Monitor (RPM-X)		
frequency	9410±1.45 MHz	
Input power	+8~-28dBm	
Input pulse length	≥1µs	
Output power (End pulsed)	-56~-36dBm	
Step level	+3~-11dB	
Temperature	-30°~+80°C	First to second pulse
*RPM-X is an optional		
● Display & Processor Unit		
Name	parameters	Note
Display size/model	R013x R023x	
Effective radar diameter	290mm 330mm	27"
Resolution	1280x1024 1600×1200 1920×1280	
Color	Yellow Green echos in 32 levels	
Range unit	(NM) or (km)	
Display mode	Head up relative motion; Head up true bearing relative motion; North up relative motion; North up true bearing; Course up relative motion; Course up relative motion;	
Relative or true trails	15oz-15min selectable	
Target track	Max 2000RPA target, 0.1Nz-24NM	Auto or manual
ALS	1000 targets	IMO SMC Cir.217; IEC/PAS 69596-5
Radar map	Nadine, waypoints, shorelines, buoys, etc.	
Range (NM)	0.025 0.075 0.10 1.5 2 3 6	12 24 32 48 96
No. of rings	5 5 5 5 4 4 4 6	6 6 4 6 8
Ring interval (NM)	0.025 0.05 0.1 0.25 0.5 0.75 0.5 1 2 4 8 12	0.25 0.5 0.75 1.5 2 4 8 12
Interface	COMPASS/MAN/OVER/CLOCK/ALS; VDS/RADAR/LA/MAN/H-FMS	
Monitor	G001 R001D	with 'D' for DC
Power	RPM001	
Processor	RP001D	
Temperature		
Ambient temperature	+15°C~+55°C	IEC 60945
Storage temperature	-30°C~+70°C	IEC 60945
Waterproof	IP60	

SELECTION TREE



Features

