

Ranatec Instrument AB		Quality System SS-EN ISO 9001			
Reference	Approved	Origin date	Issue date	Issue	Page
Jan Lundberg	Stig Larsson	92-08-04	99-02-19	J	1(2)

Specification Sheet, Radar Monitor System 9000

GENERAL

MECH. VER. /DIM./WEIGHT: **-Standard:**

-Option 19:

-Option 11:

CASE VERSION, **-Standard:**

-Option 4:

MAINS VOLTAGE:

POWER CONSUMPTION:

- Ratiopac Case D, 450x132.5x266 mm, 6 kg
 Ratiopac Case B, 436x132.5x280 mm, 6 kg
 Ratiopac Case C/C1/C2/C4, 496x209x400 mm, 13 kg
 19" Rack Mounted Version
 Stand Alone Case
 100 V 115 V 230 V $\pm 10\%$, 48-400 Hz
50 VA, max.

POWER CHANNEL

NUMBER OF POWER CHANNELS:

ABSOLUTE ACCURACY incl. RF-Head:

REPETITIVE ACCURACY (18°C - 28°C):

FSD (Full Scale Deflection):

- 1 2 3 4
 $\pm (0.3 \text{ dB} + 2 \% \text{ OF FSD})$
 $\pm 0.2 \text{ dB}$
See RF-Head Data on next page.

NOISE CHANNEL

NUMBER OF NOISE CHANNELS:

IMPEDANCE:

CENTER FREQUENCY: (10 to 200 MHz available)

BANDWIDTH: **-Standard:**

-Option 20: (Requested bandwidths)

INPUT POWER:

NOISE FIGURE RANGE:

ENR VALUE: **-Standard:**

-Option 31 (Requested ENR)

ABSOLUTE ACCURACY (ENR $\geq 5 \text{ dB}$):

REPETITIVE ACCURACY (18°C - 28°C):

NOISE SOURCE DRIVE PULSE: **-Standard:**

-Option 22:

MEASUREMENT TIME:

ALARM OUTPUT, **-Standard:**

-Option 17:

PROGRAMMABLE DELAY:

- 1 2 3 4
50 ohm

20 % of Centre Frequency			

-35 dBm/MHz to -65 dBm/MHz (at 30 MHz CF)
0 dB - 15 dB
5 db

 $\pm 0.3 \text{ dB}$ for NF range 0 to 5 dB
 $\pm 0.5 \text{ dB}$ for NF range 5 to 10 dB
 $\pm 0.7 \text{ dB}$ for NF range 10 to 15 dB
 $\pm 0.2 \text{ dB}$ for NF range 0 to 15 dB
 +28 V
 -12 V
33 μs in Mode 1, or 66 μs in Mode 2
 No
 Yes (Extra Relay Alarm Board, 09040)
0.7-6000 μs

TRIGGER INPUT

VOLTAGE:

PULSE LENGTH:

PRF:

- 2-15 V
min. 0.1 μs
250 Hz-25 kHz

COMMUNICATION

INTERFACE/CONNECTOR, **-Standard:**

-Option 2:

- RS232C, D sub, 25 pin, female
 GPIB (IEEE 488.1), Micro-ribbon, 24 pin

ADDITIONAL INFORMATION

TEMPERATURE RANGE OPERATING

TEMPERATURE RANGE STORAGE

RELATIVE HUMIDITY

- 0°C - +50°C, non-condensing
-40°C - +85°C
95% at +40°C, max

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RF-HEAD DATA

GENERAL

RF-HEAD TYPE

WAVEGUIDE:

MATERIAL:

INPUT FLANGE:

OUTPUT FLANGE:

VSWR MAINGUIDE:

FREQUENCY:

	(Identified by WG-number)
<input type="checkbox"/> Aluminium	<input type="checkbox"/> Brass
	(Identified by UG-number)
	(Identified by UG-number)

OUTPUT POWER COUPLER

COUPLING:

DIRECTIVITY:

AVERAGE POWER FOR Full Scale Deflection:

REFLECTED POWER COUPLER

COUPLING:

DIRECTIVITY:

AVERAGE POWER FOR Full Scale Deflection:

NOISE INJECTION COUPLER

COUPLING:

DIRECTIVITY:

30 dB \pm 0.5 dB

20 dB min

NOISE SOURCE

NOISE SOURCE MODEL:

NOISE SOURCE ENR:

ADDITIONAL INFORMATION

FINISH (INSIDE) COATING:

FINISH OUTSIDE:

PRESSURE (TEST):

LEAKAGE:

SPECTRUM ANALYZER CONNECTION:

CONNECTOR FINISH:

COUPLING SPECTRUM ANALYZER:

RF-HEAD CABLE LENGTH

TEMPERATURE RANGE OPERATING:

TEMPERATURE RANGE STORAGE:

RELATIVE HUMIDITY:

<input type="checkbox"/> Cromated	<input type="checkbox"/> Silver plated
<input type="checkbox"/> Black paint	<input type="checkbox"/> Grey paint
<input type="checkbox"/> Other: _____	
<input type="checkbox"/> Yes	Type: _____
<input type="checkbox"/> Stainless steel	<input type="checkbox"/> Silver plated
<input type="checkbox"/> Gold plated	
-10°C - +65 °C	
-40°C - +85 °C	
95% at 40°C	