



MICROWAVE RADIOMETER

MICROWAVE RADIOMETER FOR EXTRACTION OF CONTINUOUS TEMPERATURE & HUMIDITY PROFILE

DESCRIPTION:

- The ground based microwave radiometer gives an unattended continuous atmospheric profiles with high vertical resolution (from 100 m to 10 km) and low maintenance

SYSTEM SPECIFICATION:

Parameter	Specifications	
	Humidity	Temperature
Frequency of Operation	K Band (20-30 GHz)	V Band (50-60 GHz) 100-400 K
Brightness temperature range	5-100 K	400 ms onwards
Average time (user selectable)	400 ms onwards	10 km 50 m to 250 m (user defined) 400 m to 1 km (user defined)
Max. Height Coverage	10 km	
Vertical resolution Below 2 km	50 m to 250 m (user defined)	
Above 2 km Range	400 m to 1 km (user defined)	
	0-360	

APPLICATION :

- The continuous data from Radiometer have applications in Weather forecasting, Atmospheric research, Space Research, Local forecasting and aviation.

INSTALLATION SITE :

- IMD, Guwahati, Assam

