

NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI-620015

CENTRE FOR ENERGY & ENVIRONMENTAL SCIENCE AND TECHNOLOGY

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8. CEESAT Global UV Radiometer-Broadband UV Radiometer

SPECIFICATION FOR GLOBAL UV RADIOMETER-

BROADBAND UV RADIOMETER

Side band rejection	10^{-6} (400 – 3000 nm)
Cosine error in any azimuth direction at 10° solar elevation	<10%
Output impedance	10K Ω (nom.)
Temperature dependence	± 1 %/K max
Sensitivity at 365 nm	500 μ V/Wm ⁻² (nominal)
Range	0-100 mV
Signal range for atmospheric application	0- 40 mV
Ambient temperature	-20 ° C to +50 °C
Operating offset	<0.05 mV
Cable length	10 m