

SPECTRALBLUE

P E R V A S I V E T E C H N O L O G I E S

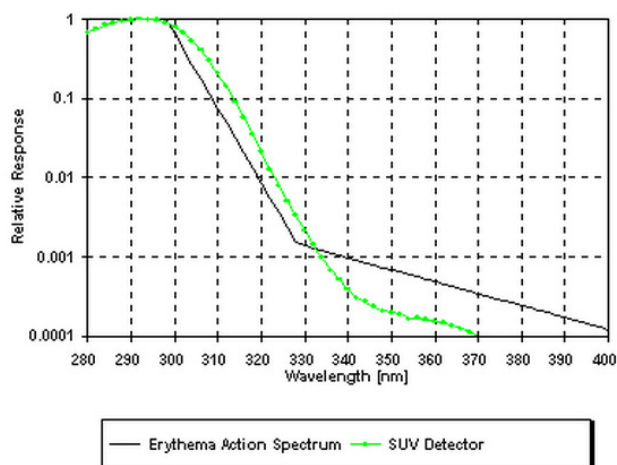
s49ENV SUV Professional Series[®]

When your City takes care of You

What

s49ENV SUV is a family of equipments that capture Sunburn UV Radiation data (SUV) and process that data locally to cope with natural climate variations (clouds for instance), in order to produce a smooth data stream of information to our digital infrastructure.

Gathered data is related to Erythema effect and its influence in skin diseases due to excessive skin exposure to solar radiation.



Spectral response Follows erythema action spectrum, Figure above

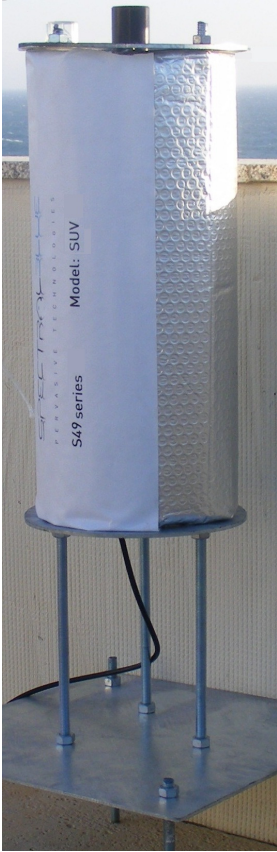
Angular response 5% for angles $<50^\circ$

Range 20 [MED/Hr], 120 [$\mu\text{W}/\text{cm}^2$]

Resolution 0.001 [MED/Hr], 0.01 [$\mu\text{W}/\text{cm}^2$]

Operating environment -40 to 120° F (-40 to $+50^\circ$ C) outdoors

How



We have different probe models for a suitable adaptation to every operation context:

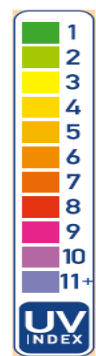
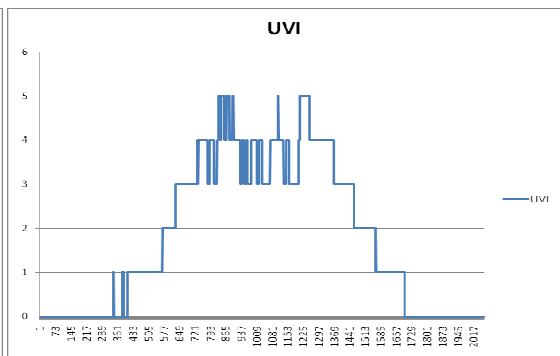
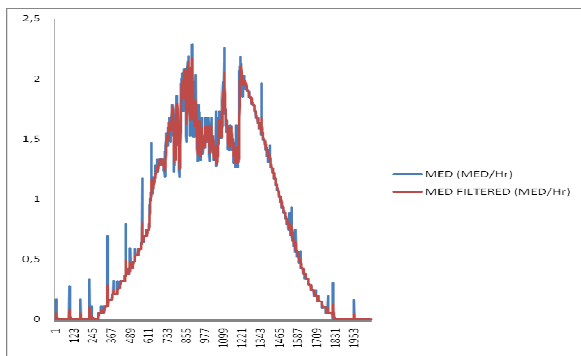


- s49ENV-PV 3G SUV** solar model w/ 3G communications
- s49ENV-PV SUV** solar model w/ local radio communications
- s49ENV-SUV** electrical model w/local radio communications

NOTE: local radio communications need a support computer with internet connection nearby.



Examples in internal engineering units (left), UV Index output (accordingly with WHO recommendations) (middle) and UV Index internationally accepted value range (right)



www.sblue.eu
pervasive.technologies@sblue.eu

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