



'N-ZONE' SOLAR SIMULATOR

FULLY INDEPENDENT SPECTRAL ZONES

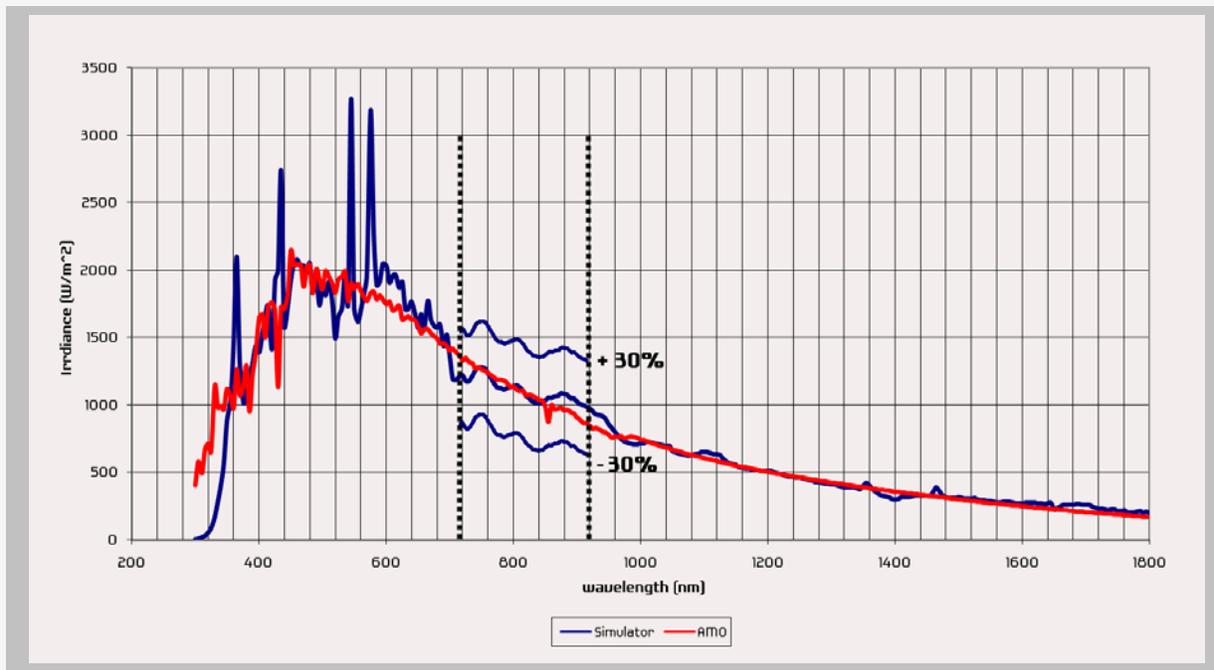
EACH ZONE IS INDEPENDENTLY ADJUSTABLE. ZONES ARE ENTIRELY SEPARATE WITH NO IMPACT ON OTHER ZONES, HENCE NO ITERATION IS REQUIRED DURING SET-UP USING REFERENCE JUNCTIONS.

EACH ZONE REQUIRES ONLY A FEW MINUTES TO SET THE INTENSITY. IT WOULD TAKE, FOR EXAMPLE, APPROXIMATELY 20 MINUTES TO SET A SIX-ZONE INSTRUMENT.

THE INDEPENDENT ZONES ALSO ALLOW CLEAR DEMONSTRATION OF RADIATIVE COUPLING BETWEEN JUNCTIONS WHICH IS OF INCREASING INTEREST.

THE SIMULATOR IS FITTED WITH A CCD SPECTROMETER, INTEGRATED INTO THE TEST PLATFORM, SUCH THAT CHANGES TO THE SPECTRUM CAN BE MONITORED IN REAL-TIME AND RECORDED DURING A MEASUREMENT SESSION.

FULL IV TEST, SPECIMEN BLOCKS AND DATA ACQUISITION SYSTEMS CAN BE FITTED AT REQUEST.



* ABOVE IS A GRAPHICAL DEMONSTRATION OF ADJUSTING ZONE 2 OF THE 'N-ZONE' SIMULATOR. UNLIKE THE UNISIM SIMULATOR, THERE IS NO OVERLAP BETWEEN SPECTRAL ZONES.