



Figure 1 LP02 solar radiation sensor with integrated transmitter. All dimensions are in mm.

LP02-TR

SOLAR RADIATION SENSOR COMPLIANT WITH ISO AND WMO STANDARDS, WITH INTEGRATED TRANSMITTER

LP02 is a solar radiation sensor that can be applied for most common solar radiation observations. It complies with the latest ISO and WMO standards. The scientific name of this instrument is pyranometer. Model LP02-TR has a special housing, which makes it possible to place a transmitter, or amplifier. For additional information on the application and use of regular LP02 pyranometer, LP02 brochure and manual can be consulted.

LP02 serves to measure the solar radiation flux that is incident on a plane surface in W/m^2 from a 180 degrees field of view (also called "global" solar radiation). Working completely passive, using a thermopile sensor, LP02 generates a small output voltage proportional to this flux. Contrary to photodiode-based- and "black and white" instruments LP02 has a spectrally flat response across the full solar spectrum. Using LP02 is easy.

LP02-TR SPECIFICATIONS

For LP02 specifications, please consult LP02 brochure or manual

Input	7,2 to 35 VDC for transmitter
Output	Signal from transmitter (programmable), either amplified voltage, 4-20mA, 4-20mA with HART protocol,...
Output specifications	please contact Hukseflux
Accuracy of output	dependant on used transmitter
Temperature dependence	dependant on used transmitter
Dimensions	DIN form B

OPTIONS

Additional cable length x metres (add to 5m).

Please contact Hukseflux for additional information.