



Photometer/Radiometer

Model PR200-X



For measurement of illuminance and UV-A irradiance.

Hagner Photometer/Radiometer model PR 200-X

The Hagner PR 200-X is a combined lux and UV-A meter, specially designed for control measurements when making NDT tests but naturally also very useful for other type of measurements of illuminance and UV-A radiation, in the field as well as in the laboratory.

The instrument is compact, ergonomic and easy to use.

The two detectors are cosine corrected for angular incidence of light and the illuminance detector is carefully filtered to the spectral sensitivity of the human eye in accordance with the CIE standard. The UV-A detector measures radiation between 315 – 380 nm with a peak at 355 nm. The light sensitive device used in the detectors are very stable long life silicon diodes which result in high reliability and increase recalibration intervals.



Instrument data

Measurement function:

Measurement of illuminance 0.1 - 200,000 lux
= 0.01 – 20,000 fc

Measurement of UV-A irradiance 1 - 200,000
 $\mu\text{W}/\text{cm}^2 = 0.01 - 2,000 \text{ W}/\text{m}^2$

Accuracy:

Better than +/- 3% or less than 1 Lux and
1 $\mu\text{W}/\text{cm}^2$.

Temperature range: -5°C - +50°C

Peak function:

By pressing PEAK button the display will show highest (or lowest) measured value until button is pressed again.

Battery: 2 x Size AA or LR6, 1.5V

Dimensions:

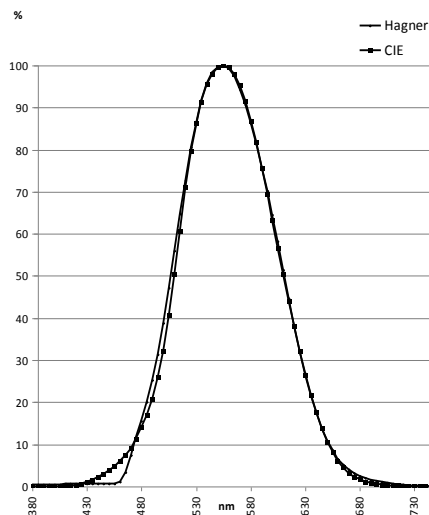
Read out unit: 168 x 75 x 36 mm.

Detector unit: 96 x 47 x 24 mm.

Weight:

280g (770g with carrying case & standard accessories.)

Spectral sensitivity VIS



Spectral sensitivity UV-A

