

METEOROLOGY

UVA Radiation Probe Head Type FLA613UVA



- ▶ Measuring head in anodized aluminium housing with a plastic dome that is transparent to UV light.
- ▶ Rain and splash-proof system, additionally with desiccant to prevent dome from inside condensation.
- ▶ Particularly suitable for outdoor measurements, e.g. in medical and biological research, weather information and forecast systems, climatology, agriculture and for general public information.

Type (including test protocol)

Weather-proof measuring head for measuring the UVA radiation including cable, 1.5 m, and ALMEMO® connector

Order No. FLA613UVA

Technical Data:

Measuring range:	0 to approx. 3mW/cm ²
Spectral sensitivity:	310 to 400nm
Maximum spectral sensitivity:	335nm
Signal output:	0V to 2V
Power supply:	+5V to +15V
Mounting:	2 screws M4, in base plate
Cable passage:	downwards
Housing:	anodized aluminium
Diffusor:	PTFE
Dome:	PMMA (transparent to UV)
Cos correction:	error f ₂ < 3%
Linearity:	< 1%
Absolute error:	< 10%
Residual voltage: (E = 0)	< 10mV
Nominal temperature:	22°C ±2°C
Operating temperature:	-20°C to +60°C
Dimensions:	housing: 55 mm high dome 40 mm high diameter: 80 mm
Weight:	approx. 300 g

UVB Radiation Probe Head Type FLA613UVB



- ▶ Measuring head in anodized aluminium housing with a plastic dome that is transparent to UV light.
- ▶ Rain and splash-proof system, additionally with desiccant to prevent dome from inside condensation.
- ▶ Particularly suitable for outdoor measurements, e.g. in medical and biological research, weather information and forecast systems, climatology, agriculture and for general public information.

Type (including test protocol)

Weather-proof measuring head for measuring the UVB radiation including cable, 1.5 m, and ALMEMO® connector

Order No. FLA613UVB

Technical Data:

Measuring range:	0 to approx. 50µW/cm ²
Spectral sensitivity:	215 to 315nm
Maximum spectral sensitivity:	335nm
Signal output:	0V to 2V
Power supply:	+5V to +15V
Mounting:	2 screws M4, in base plate
Cable passage:	downwards
Housing:	anodized aluminium
Diffusor:	PTFE
Dome:	PMMA (transparent to UV)
Cos correction:	error f ₂ < 3%
Linearity:	< 1%
Absolute error:	< 10%
Residual voltage: (E = 0)	< 10mV
Nominal temperature:	22°C ±2°C
Operating temperature:	-20°C to +60°C
Dimensions:	housing: 55 mm high dome 40 mm high diameter: 80 mm
Weight:	approx. 300 g

10/2008 We reserve the right to make technical changes.