

## GL OPTI PROBES



	GL OPTI PROBE 1.0.10 LUMINANCE	GL OPTI PROBE 1.0.11 LUMINANCE	GL OPTI PROBE 1.1.10 ILLUMINANCE
Application	Accessory for luminance measurement of flat displays, LCD, LED and OLED panels and other projection displays. N.A. = 0.22	Luminance probe for point measurement of flat displays, LCD, LED and OLED panels and other projection displays. N.A. = 0.22	For spectral measurement and evaluation of illumination level of light sources under water, in Lux or PAR, water-proof and works from 400 nm.
<b>TECHNICAL DATA</b>			
Measuring point diameter	10 mm	Ø 1.0 mm	7.9 mm
Spot size	in 1 m distance – approx. 5 cm	in 5 mm distance – 3.25 mm	
Spectral range	400–730 nm	400–730 nm	400–800 nm
Measuring probe size	44 x 62 x 14 mm	Ø 7 x 60 mm	44 x 62 x 14 mm
Type of fiber optic cable	Polymer	Polymer	Polymer
Fiber optic cable diameter	Ø 1.0 mm	Ø 1.0 mm	Ø 1.0 mm
Fiber optic cable length	1.5 m	1.5 m	1.5 m
Measurement uncertainty	(x,y) ± 0.002	(x,y) ± 0.002	(x,y) ± 0.002
Standard testing range (dynamic) for GL SPECTIS 1.0, GL SPECTIS 1.0 touch	3 cd/m <sup>2</sup> – 80 000 cd/m <sup>2</sup> (lower range requires longer integration time)	3 cd/m <sup>2</sup> – 80 000 cd/m <sup>2</sup> (for A source)	10–1000 000 lx
Item no.	93047	173765	100784
Each set includes a measuring probe, a fiber optics cable as well as an adapter with a coder for a SPECTIS 1.0 series spectrometer. All sets are spectrally calibrated.			



#### GL OPTI PROBE 5.0.50 LUMINANCE

##### Application

Luminance quartz glass fiber optic probe for extended spectral range measurement of flat displays, LCD, LED and OLED panels and other projection displays. The set includes a measuring probe, a fiber optics as well as an adapter with a coder for GL SPECTIS 5.0 Touch and 6.0 spectrometers. N.A. = 0.20 This probe covers full spectral range of detector from UV to IR. NOTE: Calibrated in price only if bought as a bundle with spectrometer.

##### TECHNICAL DATA

Measuring point diameter

10 mm

Spot size

in 1 m distance – approx. 5 mm

Spectral range

200–1050 nm

Measuring probe size

44 x 62 x 14 mm

Type of fiber optic cable

Quartz

Fiber optic cable diameter

Ø 1.0 mm

Fiber optic cable length

1.5 m

Measurement uncertainty

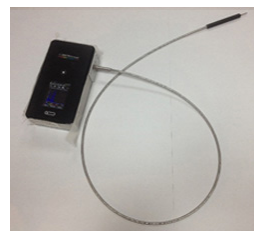
(x.y) ± 0.002

Standard testing range (dynamic) for GL SPECTIS 5.0 touch, GL SPECTIS 6.0 touch

0.01 cd/m<sup>2</sup> – 1500 cd/m<sup>2</sup> (for A source)

Item no.

173799



#### GL OPTI PROBE 5.0.51 LUMINANCE

Luminance quartz glass fiber optic probe for point measurement of flat displays, LCD, LED and OLED panels and other projection displays. The set includes the measuring probe, fiber optic cable as well as an adapter with a coder for SPECTIS 5.0. This probe covers full spectral range of detector from UV to IR.

1.0 mm

in 5 mm distance – 3.25 mm

200–1050 nm

Ø 11 x 100 mm

Quartz

Ø 1.0 mm

1.5 m

(x.y) ± 0.002

200913



#### GL OPTI PROBE 5.1.50 IRRADIANCE/ ILLUMINANCE

Irradiance / Illuminance diffusor with quartz glass fiber optic for extended spectral irradiance measurements. The set includes a measuring probe, a fiber optics as well as an adapter with a coder for SPECTIS 5.0 and 6.0 spectrometers. This probe covers full spectral range of detector from UV to IR. NOTE: Calibrated in price only if bought as a bundle with spectrometer.

10 mm

200–1050 nm

Ø 40 x 19 mm

Quartz

Ø 1.0 mm

1.5 m

(x.y) ± 0.002

0.5 lx – 50 000 lx (for A source)

173823

Each set includes a measuring probe, a fiber optics cable as well as an adapter with a coder for a SPECTIS 5.0 series spectrometer. All sets are spectrally calibrated.