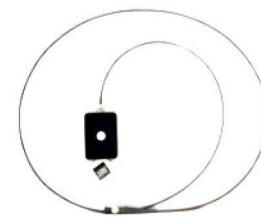
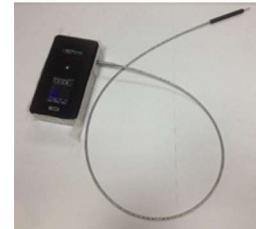


## Technical Sheet

# 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, waterproof 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.			



	<b>GL OPTI PROBE 5.0.50 LUMINANCE</b>	<b>GL OPTI PROBE 5.0.51 LUMINANCE</b>	<b>GL OPTI PROBE 5.1.50 IRRADIANCE/ILLUMINANCE</b>
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.	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.	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.
<b>TECHNICAL DATA</b>			
Measuring point diameter	10 mm	1.0 mm	10 mm
Spot size	in 1 m distance – approx. 5 mm	in 5 mm distance – 3.25 mm	200–1050 nm
Spectral range	200–1050 nm	200–1050 nm	Ø 40 x 19 mm
Measuring probe size	44 x 62 x 14 mm	Ø 11 x 100 mm	Quartz
Type of fiber optic cable	Quartz	Quartz	Ø 1.0 mm
Fiber optic cable diameter	Ø 1.0 mm	Ø 1.0 mm	1.5 m
Fiber optic cable length	1.5 m	1.5 m	(x,y) ± 0.002
Measurement uncertainty	(x,y) ± 0.002	(x,y) ± 0.002	0.5 lx – 50 000 lx (for A source)
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	200913	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.			