

## LGPM-C3 Goniophotometer

### Goniometer

CIE Photogoniometer	Type C with horizontal optical axis, compliant with LM-75, LM-63 & TM-15 standards
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Driver	Servo motors with Harmonic Drives <sup>®</sup>
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Angular range C axis	0-360° with optical end switches
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Angular range $\gamma$ axis	$\pm 180^\circ$ with optical end switches
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Angular resolution	0.005°
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Repeatability C axis	$\leq 0.1^\circ$ (at maximal load)
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Repeatability $\gamma$ axis	$\leq 0.1^\circ$ (at maximal load)
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Angular step C & $\gamma$ axis	1° to 30°
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Travel range Z axis (lamp depth)	0 to 350 mm via hand crank (integrated measuring scale in 0,1 mm steps) Other depths are possible
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Dimensions & weight	W 720 mm, D 1055 mm, H 1560 mm; 75 kg
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Alignment laser	In the center of rotation of the $\gamma$ axis, 1 mW laser class 2
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### Sample Hub

Maximum luminary size	1500 mm diameter
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Maximum rated load	30 kg
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Fixing Hub	4 x M5 thread with locating pins
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Lamp power connection	AC or DC 2 wire power connection, 4 wire connection also possible; PE Remote power ON/OFF
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### LGPM-C3 Controller

Functions	Driving the servo motors of the goniometer, supplying the lamp with the AC power
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Interfaces	RS-232-C for connecting the servo motors to the PC
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Cabinet dimensions	W 380 mm, D 155 mm, H 300 mm
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Power supply	230 V; cca150 VA + Lamp power (max. 1500 VA)
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### LabWIEV Control program

Controlling device	Laptop or standard PC with available 2 x USB 2.0 ports
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Photometric file formats	IES, LDT
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PDF reports file	Light fixture data, 3D diagram, Polar diagram, XY Candela diagram, Isolux diagram, CCT Shift, BUG ratings
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Photometer type	KONICA MINOLTA CL-200 A
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**LGPM-C3 Goniophotometer****Goniometer**

CIE Goniometer type	Type C with horizontal optical axis, comply to LM-75, LM-63 & TM-15
Driver	Servo motors with Harmonic Drives <sup>®</sup>
Angular range C axis	0-360° with optical end switches
Angular range $\gamma$ axis	$\pm 180^\circ$ with optical end switches
Angular resolution	0.005°
Repeatability C axis	$\leq 0.1^\circ$ (at maximal load)
Repeatability $\gamma$ axis	$\leq 0.1^\circ$ (at maximal load)
Angular step C & $\gamma$ axis	1° to 30° selectable
Travel range Z axis (lamp depth)	0 to 350 mm via hand crank (integrated measuring scale in 0,1 mm steps) Other depths are possible
Clear height	850 mm
Height of optical axes	1500 mm
Dimensions & weight	W 720 mm, D 1055 mm, H 1560 mm; 75 kg
Alignment laser	In the center of rotation of the $\gamma$ axis, 1 mW laser class 2

**Sample Hub**

Maximum luminary size	1500 mm diameter
Maximum rated load	30 kg
Fixing Hub	4 x M5 thread with locating pins
Lamp power connection	AC or DC 2 wire power connection; Kelvin probe return 2 wire connection; PE Remote power ON/OFF

**LGPM-C3 Controller**

Functions	Driving the servo motors of the goniometer, supplying the lamp with the AC power,
Interfaces	RS-232-C for connecting the servo motors to the PC
Cabinet dimensions	W 380 mm, D 155 mm, H 300 mm
Power supply	230 V; approx. 150 VA + Lamp power (max. 1500 VA)

**LabWIEV Control program**

Controlling device	Laptop or standard PC with available 2 x USB 2.0 ports
Photometric file formats	IES, LDT
PDF reports file	Test & manufacturer data, 3D diagram, Polar diagram, XY Candela diagram, Isolux diagram, CCT Shift, BUG ratings
Photometer type	KONICA MINOLTA CL-200 A