

Goniometer LMT GO-H 1000





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Technical Data

Marking	LMT GO-H 1000 Goniometer			
Goniometer type	Type A Goniometer according to IES LM-75-01			
Supplementary load	· 25 kg (max) at 0-position center of gravity aligned with optical axis			
Test Object Dimensions	· 960 mm Ø width in horizontal axis			
Test Object Table	<ul style="list-style-type: none"> · Size: 300 mm Ø, circular · M6 borings and sliding groove stones for load mounting 			
Number of Axes	· 3			
Height of optical axis	· 1150mm ± 50mm			
Axis	Movement range	Resolution	Velocity	Encoder Type
H - rotation	> ±90°	0.05°	6°/s	absolute optical
V - rotation	> ±180°	0.05°	5°/s	absolute optical
Z - linear	350 mm (100 – 450 mm)	±1 mm	2 mm/s	-
H, V, Z adjustment	<ul style="list-style-type: none"> · DC electric motor control with tacho generator · Selectable manual and computer controlled adjustment · Consecutive adjustment of H, V, Z axes · X-Y adjustment available with optional manual positioning stage 			
Electrical connection of test objects	· 8 socket connection unit on goniometer chassis for electrical connection of supply and sense cables of up to 2 lamps and 2 power supplies			
Test object alignment	· Built-in alignment laser in horizontal axis			
Control Station	<ul style="list-style-type: none"> · 19" racks for housing of control and display units · Goniometer unit · Safety unit · Power unit · Vacant rack units 	Control switches and digital display of H, V angular position, push button control of optical axis offset settings, selection switch for manual/computer control Main power switch, safety circuits Power switch for power unit and tacho generator operation For integration of further display and control units (e.g. LMT Photometer and Colorimeter Units, power supplies)		
Safety	· 3 emergency mushroom stops (2 on goniometer chassis, 1 on electronic control unit)			
Emission	· EMC / EMI shield			
Electrical supply	· Rated supply voltage:	Depending on version: 3 x 115 V / 32 A or 3 x 230 V / 400 V; 16 A + neutral + earth (CEEKON plug)		
Environmental specifications	<ul style="list-style-type: none"> · Operating temperature range: · Storage temperature range: · Relative humidity: 	0 to +40°C -5 to +60°C 75 % or less, non-condensing		
Weight	· 500 kg without options and additional components			