Lux-Meter 0500

① **3 function switch**
- **Hold** - hold the measured value
- **On**- switch on the measuring instrument
- **Off**- switch off the measuring instrument

② **13 mm LCD display**
3½ digits

③ **Light sensor connection**
(silicon photo cell)

④ **Measuring range selection switch**
- 0 to 2,000 Lux
- 2,000 to 20,000 Lux
- 20,000 to 100,000 Lux

Overrange:
If the display shows "1", the selected measuring range has been exceeded Select the next measuring range with the range selection switch

Features

- **Wide measuring range 0 to 100,000 Lux**
- **high accuracy**
- **fast response**
- **hand-held**
- **easy-to-operate**

Technical Data

Measuring range:	0 to 100,000 Lux
Accuracy:	± 2% of m v. ± 1 digit
Resolution	
0 to 2,000 Lux	1 Lux
2,000 to 20,000	10 Lux
20,000 to 100,000	100 Lux
Light sensor:	silicon photo cell
Display:	LCD, 13 mm
Power supply:	9 V PP3 (approx 150 h in continuous use)
Battery control:	Automatic low battery warning
Operating range:	0 to 50° C / 0 to 85 %RH
Transport temperature:	-30 to +80° C

Light – the important factor of life

Humans experience 80% of all sensations with their eyes

Therefore, adequate light intensity plays an important role Lux is the measuring unit for light intensity The light intensity of 1 Lux corresponds to a light flux of one lumen falling on a surface of one square meter

Recommended nominal light intensities
according to DIN 5035, part 2

Locations

	Lux
● Offices	
Conference areas	300
Reception areas	100
Clerical work areas	300
Typing, drafting areas	750
● Factories	
Packaging work areas	300
Entrances and passages	450-750
Visual work on production lines	1000
Visual inspection of electronic parts on assembly lines	1500
● Hotels	
Public rooms	200
Reception/cashier points	200
● Stores	
Indoors stairs/corridors	200
Packing tables	200-400
In front of show windows	1500-2500
● Hospitals	
Wards	100-150
Warehouses	100-150
Medical examination rooms	100-150
Emergency treatment areas	500
● Schools	
Auditoriums/indoor gymnasiums	300
Class rooms	400-700
Laboratory/library/ drafting rooms	750-1400

For more detailed information see DIN 5035 part 2 pages 3ff
Subject to changes without prior notice
All prices net, exclude carriage and VAT, valid from 1 8 1989

Drawings front page
by Fordergemeinschaft Gutes Licht' *
* The Society for the Promotion of Adequate Illumination

Ordering data

	Part no.	Price
Lux-Meter complete with silicon photo cell for accurate light measurements	0900.0500	
Carrying case	0516.0035	
Spare light sensor (silicon photo cell)	0900.0401	

Distributed by