Instruments

TopTronic T630 — Digital Lux Meter

The TOPTRONIC T630 Digital Lux Meter is a simple one hand operation unit, with a separate transducer for ease of use. The transducer can be placed up to 1m from the instrument. The TOPTRONIC T630 Digital Lux Meter is ideal for a wide range of accurate measurements for applications such as emergency lighting, street lighting or work stations

Features:

- Luminance meter (Lux) with compact housing and removable sensor
- CIE photo tropic spectral response
- 3½ 1999 count LCD
- Range from 0 to 200,000 Lux
- Low battery indication
- Update rate 2.5 x per second
- Resolution 0.01 Lux
- Back light
- Max hold
- Data Hold

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Safety and Conformance

This unit does not connect to any circuit so safety is not an issue.

Ranges and Accuracy

Feature	Range
Lux Range	0 to 20, 200, 2000, 20000, 200000
Accuracy	±3% +10 digits for CIE standard illuminant A (2856K) 23ºC ± 5ºC , < 70% RH
Acceptance Angle	f'2 < 2% cosine corrected (150º)
Analogue Output	0.1mV/count
Battery Life	Approx. 200 hours with standard carbon zinc batteries
Operation Temp	0ºC to 50ºC , < 70% RH

Ordering information

InfoComm Engineering part number: 1-T630
Each unit comes with transducer and pouch.
Battery: 4 x 1.5V AAA
Size: 170 x 44 x 40mm
Weight: 220g

Typical Luminance Ranges

Activity	Levels (Lux)
Public areas with dark surroundings	20 - 50
Simple orientation for short visits	50 - 100
Working areas where visual tasks are only occasionally performed	100 - 150
Warehouses, Homes, Theaters, Archives	150
Easy Office Work, Classes	250
Normal Office Work, PC Work, Study Library, Groceries, Show Rooms, Laboratories	500
Supermarkets, Mechanical Workshops, Office Landscapes	750
Normal Drawing Work, Detailed Mechanical Workshops, Operation Theatres	1,000
Detailed Drawing Work, Very Detailed Mechanical Works	1500 - 2000
Performance of visual tasks of low contrast and very small size for prolonged periods of time	2000 - 5000
Performance of very prolonged and exacting visual tasks	5000 - 10000
Performance of very special visual tasks of extremely low contrast and small size	10000 - 20000

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