



# Datasheet



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**CHAUVIN  
ARNOUX®**  
CHAUVIN ARNOUX GROUP

# C.A 1110 Logger Luxmeter



## Measure lighting at any time

Spectral error compensation on **LED** or FLUO sources

MAP mode

Min, Max, Average and Hold functions

Spot or continuous recording up to 1 million points



Data Logger Transfer  
Automatic report generation



Application Android  
CA Environmental  
Loggers



Bluetooth®

*Measure up*



## C.A 1110 Logger Luxmeter

|                    |   |  |
|--------------------|---|--|
| Measurement ranges | 0.1 lx to 200,000 lx (lux)  | 0.01 fc to 18,580 fc   |
| Resolution         | 0.1 lx (0.1 lx to 999.9 lx)<br>1 lx (1 000 lx to 9,999 lx)<br>10 lx (10,000 lx to 99.99 klx)<br>100 lx beyond | 0.01 fc (0.01 fc to 99.99 fc)<br>0.1 fc (100.0 fc to 999.9 fc)<br>1 fc (1,000 to 9.999 fc)<br>10 fc beyond |

### METROLOGICAL SPECIFICATIONS

| Intrinsic uncertainty for measurement in lux | Class C luxmeter as per the NF C 42-710 standard   | Mode with compensation   |
|--|--|--|
|  | ± 3% of reading on incandescent sources (by default)<br>± 6% of reading on LEDs (3,000 K to 6,000 K)<br>± 9% of reading on fluorescent sources | LED mode: ± 4% of reading (at 4,000 K)<br>Fluo mode: ± 4% of reading (type F11, 4,000 K) |

### FUNCTIONS

|                     |  |
|---------------------|--|
| Recording           | <b>Manual start/stop on the product</b><br>Short press for MEM: spot recording / Long press for REC: recording at the rate of the current mode<br><b>Programmed recording</b><br>Start date, recording interval (from 1 second to 1 hour) and end date are defined using the PC software |
| Data storage        | More than 1 million points   |
| Min-Avg-Max-Hold    | Yes  |
| MAP mode            | The MAP function can be used to map the lighting on a surface or in a room. In this way, the lighting measurements are saved in the same file.   |
| Units               | lx or fc   |
| Backlighting        | Yes  |
| Automatic power-off | Yes (configurable)   |

### POWER SUPPLY

|              |  |
|--------------|--|
| Type         | 3 x 1.5 V AA / LR6 alkaline batteries<br>Connection to the mains possible with the mains / micro-USB adapter offered as an accessory |
| Battery life | 500 hrs (portable mode) / 3 years of recording (15-minute measurement interval)  |

### PHYSICAL SPECIFICATIONS

|                         |  |
|-------------------------|--|
| Interfaces              | 2 possible communication modes: Bluetooth wireless link and USB  |
| Mounting                | Casing equipped with a magnet, a wall-mount system and a slot for suspending the product<br>Compatible with the Multifix accessory |
| Dimensions / weight     | Casing: 150 x 72 x 32 mm / Sensor: 67 x 64 x 35 mm / 345 g with batteries  |
| Ingress protection      | IP50   |
| Product operating range | Temperature: -10 to +60 °C / Humidity: 0 to 90 %RH   |
| Compliance              | IEC61010-1 / IEC 61326-1 / Class C luxmeter as per the French NF C 42-710 standard based on the CIE guidelines                     |

### GENERAL SPECIFICATIONS

|  |   |
|--|---|
| Data Logger Transfer Windows PC software functions | Display as a graph or a table of values / Data export in graph or Excel table form<br>Real-time mode / Automatic report generation in Word format / Data format compatible with the Dataview software offered as an accessory |
| Warranty   | 2 years   |

### Accessories / Replacement Parts

|  |            |
|--|------------|
| Shockproof sheath + Multifix .....               | P01654252  |
| Multifix .....                                   | P01102100Z |
| Mains adapter .....                              | P01651023  |
| Bag .....  | P01298075  |
| Metal case .....                                 | P01298071  |
| Dataview software .....                          | P01102095  |
| BLE Bluetooth modem / USB for PC .....           | P01654253  |
| 4x AA/LR6 NiMH Batteries + Battery charger ..... | HX0053     |

### Standard state at delivery:

**Bag, 3 x 1.5 V AA alkaline batteries, USB cable, test report and quick start-up guide** (complete manual and Data Logger Transfer software available from the Chauvin Arnoux website)



**TO ORDER**

**C.A 1110 Logger Luxmeter**  
..... P01654110

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## LOCATIONS

### LONDON, HEATHROW

#### Sunbelt Rentals UK Test & Monitoring

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0333 122 3126

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### STOKESLEY

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