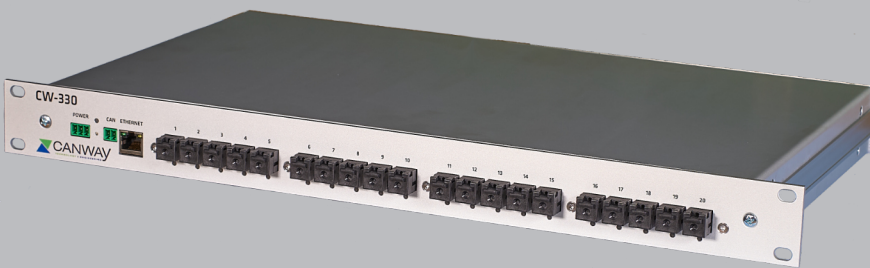


# CW-330

## LIGHT MEASURING SYSTEM



The CW-330 offers a simple and highly accurate way of detecting and measuring RGB colours and brightness of light sources. The connection is made via fibre optic cables. The CW-330 supports a sampling rate up to 200 Hz and a resolution up to 14 bits. The output is conveniently carried out via Ethernet and the associated configuration software is web-based. The module achieves high scaling through an adjustable amplification factor between 1 and 4096.

The module is available in a robust 19-inch housing for use on test benches. One area of application for the CW-330 is automated measurement for functional validation of light sources in the automotive environment. The CW-330 ideally complements our CW-300 series in the test bench area.

### FEATURES

- 20 RGB Sensors for detection
- Sampling rate up to 200 Hz
- Resolution of 14 bits at 20 Hz
- Output via Ethernet (Modbus and REST)
- Amplification factor 1 to 4096
- Web-based configuration
- Robust 19-inch housing
- CAN-Bus on request

## MEASURING RANGE

Resolution	11 Bits at 200 Hz 14 Bits at 20 Hz
Deviation	10 %, channel to channel
Output format	RGB/HSV
Channel quantity	20, up to 320 in combination with multiple devices
Connection	POF cabel simplex 2,2 mm
Amplification factor	1 up to 4096

## INTERFACE

Data Output	Ethernet
Protocol	Modbus and REST

## POWER SUPPLY

Supply Voltage	9 VDC to 30 VDC
Current consumption	100 mA at 12 VDC

## ENVIRONMENTAL CONDITIONS

Temperature range	10 °C to 40 °C
Protection class	IP 20
Relative humidity	35 % to 85 % without condensation

## GENERAL INFORMATION

Housing	Robust 19 inch housing
Dimension (LxWxH)	482,6 mm x 162 mm x 44,45 mm (19 inch, 1 RU)
Weight	280 g
Calibration	Factory calibration