

## Yokogawa Clamp-on Process Meter

### Measure 4 to 20mA DC signals without breaking the loop

- 0.2% Accuracy, 0.01mA Resolution
- Dual Display with Backlight
- LED Spot Light
- Analog Output



### SPECIFICATIONS

Measurable Conductor:	6mm diameter max.		
DC Current:	Measuring Range	Measuring Accuracy	
	20.00 mA Range:	0.00 to ±21.49mA	±(0.2%rdg +5dgt)
	100.0 mA Range:	±21.0 to ±126.0mA	±(1.0%rdg +5dgt)
Analog Output:	Output Range	Output Accuracy	
	20.00 mA Range:	0.0 to ±214.9mV DC	Measuring Accuracy +0.5mV
	100.0 mA Range:	±210 to ±1260mV DC	Measuring Accuracy +3mV
Display:	4-digit LCD numeric display		
Response Time	Approx. 1.5 seconds (2.5 seconds when across the range)		
Range Switching:	Auto range		
Operating Temperature:	-10°C to +50°C, <80% RH (non-condensing)		
Safety Standards:	EN61010-1, EN61010-2-030, EN61010-2-032		
Withstanding Voltage:	2.21kV AC for 5 seconds (between the core and the case)		
Power:	Four AA-size alkaline batteries (1.5V LR6)		
Battery Life:	Approx. 60hrs (continuous) with backlight off and LED light off		
Other Functions:	Data hold, Zero adjust function, Auto power off, LED spot light, Back light display, Illuminant panel		
Dimensions:	Meter: 61 x 111 x 40 mm; Probe: 104 x 34 x 20 mm w/ 700 mm cable		

### ORDERING INFORMATION

YE/CL420	Clamp-on Process Meter with batteries, manual & soft case
YE/98076	Analog Output Cable (banana plugs)
YE/98077	Analog Output Cable (for screw terminals)

## Yokogawa Light Meters

### Model 51011 & 51012 Digital Light Meters

- Measure to 999,000 lux
- Wide measurement range, high accuracy
- Spectral response characteristics for visible range
- Good oblique incident light characteristics
- Recorder output & USB digital output

**51011**  
**51012** ▶



◀ **51021**

### Model 51021 Multi Function Light Meter

Model 51012 Features plus:

- Color correction coefficient setting
- Light source brightness measurement
- Mean brightness calculation

### ORDERING INFORMATION

YE/51011	Digital Light Meter (5 ranges)
YE/51012	High Accuracy Digital Light Meter (5 ranges)
YE/51021	Multi Function Light Meter (6 ranges)

### SPECIFICATIONS

Measuring Range:	51011& 51012:	0.0 to 99.9/999/9,990/99,900/999,000lx
	51021:	0.00 to 9.99/99.9/999/9,990/99,900/999,000lx
Standard Conformance:	510011, 51012:	JIS C1609-1 2006 class A
	51021:	JIS C1609-1 2006 class AA
Functions	51011, 51012:	Response switching, Range Hold, Timer Hold, Deviation display, Auto off.
	51021:	Response switching, Range Hold, Timer Hold, Deviation display, Auto off, Color correction factor setting, Average illuminance computation, Ripple measurement, Light source luminous intensity measurement, Measurement of totalized intensity of illumination.

Model	51011	51012, 51021
Accuracy:	±4% rdg ±1dgt (under 3000lx) ±6% rdg ±1dgt (over 3000lx)	±2% rdg ±1dgt (under 3000lx) ±3% rdg ±1dgt (over 3000lx)
Fatigue Characteristics:	±2%	±1%
Temperature Characteristics:	±5%	±3%
Characteristics of Oblique Incident Light: (deviation from cosine law)	Angle of: 10° ±1.5%	Angle of: 10° ±1%
	30° ±3%	30° ±2%
	60° ±10%	50° ±6%
	80° ±30%	60° ±7% 80° ±25%

Visible-Spectrum Response: (deviation from standard spectral luminous efficiency)	f1' within 9 %	f1' within 6 %
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### General Specifications (all models):

Photoelectric Element:	Silicon photodiode
Display:	7 digit liquid crystal display; maximum effective display: 999
Measurement Rate:	Twice per second
Response Time:	Automatic range: 5 sec; Manual range: 2 sec
Operating Temperature:	-10 to 40°C, <80% RH, non-condensing
Communication:	USB (Mini-b 5pin)
Output:	DC 1V ±5% (fixed range); 100kΩ min. load resistance
Dimensions:	67 x 177 x 38 mm
Power:	Two AA (LR6) batteries or USB supply (5VDC ±5%)
Accessories Included:	Instruction manual, battery, soft case, recorder output plug