

# DIGITAL LUXMETER ANA-F9, F11 & F12

## FEATURES

- ★ Finger touch push button operation in 3 modes of "On", "Hold" and "Off"
- ★ 60 seconds automatic power off system, saving the battery life
- ★ Direct reading of the measuring range, 0 to 19999 lux
- ★ It is possible to read the meter even in a dark place at the position of "Hold" with backlighting.



Dome shape, Semi-transparent plastic molding sensor, silicone photodiode and a color filter for eye response correction are adapted.

**9V dry battery** (006P; 1 pce.), with approx. one year battery life; When the alarm sign [B] appears on the display, remove a battery cover at the rear side and replace the battery with new one.



Pocket size, Light grey molded plastic case

Switch, Push-button in 3 modes of "Switch-on", "Hold" and "Switch-off". Automatic power off system is provided to save the battery life (approx. 60 sec.).

Direct reading display, Measuring range: 0 to 19999; In case of over the range, the alarm letter [OR] appears on the display.

## SPECIFICATIONS

- Type : Pocket size digital luxmeter
- Light sensor : Silicone photodiode
- Measuring range : 0 to 19999 lux., Min. 1 lux. (Hold with backlighting)
- Accuracy :  $\pm 7\%$  (JIS C1609, Class A)  
Under standard testing of color temperature 2856°K
- Battery : 1 pce. JIS 006P dry battery 9V DC
- Dimensions/Weight : Approx. 62 x 24 x 135mm / 150g
- Accessories : Leather case

◆ Analog type ANA-315 and Submersible type ANA-200 are also available.

**F11**



Excellent Performance, Multiple Functions  
ANA-F11 & ANA-F12

**Wide range, High accuracy**

- ★ ANA-F11 : 0.0 to 999,000 lux (5 ranges)
- ★ ANA-F12 : 0.00 to 999,000 lux (6 ranges)

**F12**



Model	ANA-F11	ANA-F12
Standard	Conforms to general class A of JIS C 1609-1993 " Illumination Meter "	Conforms to general class AA of JIS C 1609-1993 " Illumination Meter "
Photoelectric element	Silicon photodiode	
Display	Liquid crystal display (number of 7 digits) ; Maximum effective display : 999 + (0 or 0'S to indicate the number of digits)	
Measurement cycle	Twice per second	
Measuring range	0/0~99.9/999.9,990/99,900/999,000 lx	0.00~9.99/99.9/999.9,990/99,900/999,000 lx
Accuracy	$\leq 3,000$ lx : $\pm 4\% \pm 1$ , $> 3,000$ lx : $\pm 6\% \pm 1$	$\leq 3,000$ lx : $\pm 2\% \pm 1$ , $> 3,000$ lx : $\pm 3\% \pm 1$
Response time	Automatic range: 5 sec. ; manual range : 2 sec.	
Fatigue characteristics	$\pm 2\%$	$\pm 1\%$
Temperature characteristics	$\pm 5\%$	$\pm 3\%$
Characteristics of oblique incident light	Angle of : 10° $\pm 1.5\%$ 30° $\pm 3\%$ 60° $\pm 10\%$ 80° $\pm 30\%$	Angle of : 10° $\pm 1\%$ 30° $\pm 2\%$ 50° $\pm 6\%$ 60° $\pm 7\%$ 80° $\pm 25\%$
Characteristics of visible region relative spectral response	Deviation from the standard spectral luminous efficiency : 16%	Deviation from the standard spectral luminous efficiency : 8%
Operating temperature /humidity	Between -10 and 40° ; 80% R.H. or less	
Output	Recorder output : 1V $\pm 5\%$ (fixed range) ; Load resistance : 100K $\omega$ or more ; Digital output : BCD serial output , Open collector; Comparator output : Hi/Lo two-terminal output (ANA-F12 only)	
Dimensions, weight	Approx. 67(W) x 177(H) x 38(D) mm; Approx. 260g	
Power supply	9-V dry cell 6F22(S-006p) or an AC adapter(optional)	
Accessories	Instruction manual, dry cell (built-in), soft case, recorder output plug.....one each.	



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