COPAL ELECTRONICS

*CD-10 discontinues from July, 2004. Please inquire about the detail.

CA-10 · CD-10

FEATURES

- Analog and digital types are available
- Internal lock mechanism provided
- Simple Installation



■ LIST OF PART NUMBERS

Item	Part number	
Analog type	CA-10	
Digital type	CD-10	

STANDARD SPECIFICATIONS

Item Part number	Analog type	Digital type
	CA-10	CD-10
No. of digits	—	3 digits (000 ~ 999)
No. of turns	10 turns (3600°)	
Minor scale division	1/50 turn	_
Minimum scale division	_	1/500 turn
Shaft diameter mm	φ6	
Maximum rotational speed min ⁻¹	50	
Rotational torque mN·m {gf·cm} maximum	9.81 {100}	19.6 {200}
Rocking torque N·m {kgf·cm} maximum	0.069 {0.7}	0.098 {1}
Indicater shift in rocking	1 scale maximum	2 scales maximum
Life	2 million turns (in 30 min ⁻¹)	
Operating temp. range °C	-40 ~ 85	-40 ~ 80
Net weight g	Approx. 15	Approx. 42



COPAL ELECTRONICS

OUTLINE DIMENSIONS

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CA-10/CD-10 TURNS COUNTING DIALS

(Unit: mm)

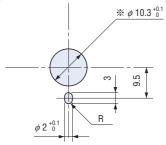
Analog dial 10CK **CA-10** 350 25 R 14.1 *φ* 10 22 ¢6t0 <u>R 9.5</u> φ2 5.9 3.5 $M2 \times 2.5$ 14.8 Set screw 23.2 1.5 25.2 Digital dial **CD-10** <u>18</u>.5 25.4 Number and digit line Frame (White) 11.5 16.6 (White on black) 2 Cover (Black) 20 ŝ Knob upper part (Silver) 11213 (49.6) σ 44.5 17.8 Knob ¢12.5 (Black) ø14.6 30.5 12 M $\phi 6^{+0.04}_{+0.01}$ $\frac{\text{Set screw}}{2 - M3}$ Main body 4.5

■ DIMENSION AND LOCATION OF MOUNTING HOLES (RECOMMENDED)

Lock leve

(Black)

• CA-10



Lock lever movable range

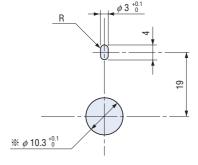
* Dimensions show those in case of mounting M-22S10, M-22E10. For hexagonal wrench is provided as an option.

<CA-10>

- Install so that no radial load will be applied to the shaft.
 Use a 0.89 hexagonal wrench for the set screw, and tighten with torque of less than 0.147 N·m {1.5 kgf·cm}.

• CD-10

8.5



(Unit: mm)

(Black)

<CD-10>

- Use a 0.89 hexagonal wrench for the set screw, and tighten with torque of less than 0.49 N·m {5 kgf·cm}.
- Install so that no radial load will be applied to the shaft.

