



MIDORI's Compact Angle Sensor CP-20H



Concept

Small size

×

Long Life

×

Dual Output

Future

**Φ22×H12.5
Metal housing**

⇒Help for down-sizing
of the machine

**Contactless Angle
Sensor**

⇒Rotational Life
100 Mil. Revolution

**Output types,
Cross or Parallel
are available**

Contactless type~
Long Life & High Durability

Contact type



Output of contact type
is changed by sliding
the contact on the
resistive track

Contactless type



Contactless type has
**no wear at the
detecting part so
that rotational life is
highly longer.**

Noiseless

Output noise is not
occurred during
operation.

Low torque

Shaft rotational torque is
extreme low so shaft
movement is very
smooth without power.

MAIN APPLICATIONS

Market	User	Installed	Application
Converting	A Film Manufacturing Equipment maker	Winding device	Dancer roll control
Control device	A Bike parking facility maker	Gate system at Bike parking lot	Opening/Closing control of entrance gate
Medical & Healthcare	A Healthcare device maker	Electric wheelchair	Lever control
Amusement	A Gaming machine maker	Motorcycle simulator	Detecting throttle position angle
Amusement	A Gaming machine maker	Vehicle driving simulator	Handle angle control

⇒For details, please refer "Usage Case" flyers.

Finding a solution to problem by using CP-20H

Problem	Customer	Wish	MIDORI's Suggestion
Rotational torque of the sensor is too heavy.		Want to have low torque type for measuring a minute rotational angle.	▶ Rotational torque of CP-20H (Ball bearing type) is very low, 2mN-m.
Soldering work to terminals is difficult and it takes time.		Want to improve working efficiency.	▶ CP-20H is cable type. It helps for improving working efficiency.
The sensor has to be changed often because of shorter rotational life.		Want to have longer rotational life sensor.	▶ CP-20H is contactless type so that it is long rotational life.
The sensor often does not work by water invasion from the shaft side.		Want to have water-proof sensor.	▶ CP-20H has IP65 (Shaft side) types.
We had to use 2 sensors for 2 output types, CW & CCW increase.		Want to use one sensor which has dual output with CW & CCW increase.	▶ Dual output type of CP-20H is CW & CCW output (Cross output) by one sensor.
Some different angle types of sensors are needed.		Want to use different angle types of same sensor in many places.	▶ CP-20H has variation of Angle 20°~360° .
The sensor which we have used cannot be measured wider angle.		Want to use the sensor which can be measured 360° angle.	▶ CP-20H can be measured 360°.

We are here for you. Addresses and Contacts.

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