

MIDORI's Multi-Turn Sensor

CP-22H



Concept

Compact

×

Multi Turn

×

Water Proof

Future

Size
22×30×44mm

⇒Help for down-
sizing of the machine

**Select from 5, 10,
30, 50 turns**

⇒Absolute position
detecting by
mechanical reduction
gear

IP67 is available

⇒It can be used
under harsh
conditions such as
splashing oil and
water

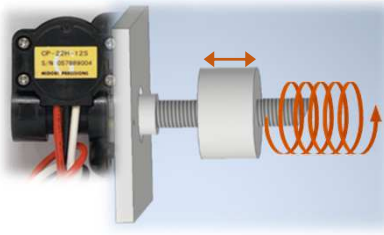
Not only compact size but also high functions

Compact



● Just same size of €2 Coin

**Detecting
Multi turn angle**



● Max. 50 turns

Water-Drip Proof










● IP67 type is available.

MAIN APPLICATIONS

Market	User	Installed	Application
Industrial vehicle	A Forklift maker	Forklift	Handle angle detecting
Material handing	A Material handling maker	AGV	Tire steering angle detecting
Industrial machinery	A Conveyance device maker	Electric actuator	Positioning of Slider
Construction machinery	A Construction machine maker	Crane	Control of boom length
Stage Facility	A Lighting facility maker	Moving light	Control of focus position

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

Finding a solution to problem by using CP-22H

Problem	Customer Wish	MIDORI's Suggestion
We have to prepare reduction gear if we use a single turn type sensor.	 Want Multi-turn type sensor.	CP-22H has 5~50 turns types.
There is few Multi-turn sensor which can be used under harsh conditions.	 The sensor is wanted to be used under harsh conditions such as water and dust.	IP rating of CP-22H is IP67.
Our machine has little room for mounting sensor. Fixing work of the sensor to the machine is difficult and it takes time.	 Want to fix the sensor to panel.	Standard CP-22H is side mounting. Shaft side mounting type is available on request.
Soldering work to terminals is difficult and it takes time.	 Want to improve working efficiency.	CP-22H is cable type. It helps for improving working efficiency.
During operation, it is difficult specify failure mode of the sensor.	 Want to have fault diagnosis by output of the sensor.	CP-22H is dual output type. One of dual output line will be used for fail-safe function.
There are few potentiometer which can be used very cold condition.	 Want a sensor which can be use at -40°C condition.	Operating temperature range of CP-22H is -40~+100°C.
The sensor which we use was entered water inside though cable.	 Want to connect a water-proof connector to the cable of sensor.	Cable of CP-22H can be connected water-proof connectors.

Please contact ;

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