

MIDORI's Touchless Angle Sensor

CP2HX

Usage Case



Case 1

User

A Marine Equipment maker

Market

Marine Equipment

Installed

Outboard

Application

Lever control
● Detecting Lever angle

User's
Voice



The Sensor parts are **quite thin** so that we **could realize to miniaturize** control lever. **Detecting part and rotational shaft part are not touched** and water proof IP67, so reliability of marine electrical lever has been improved under water splashing condition.

Case 2

User

A Forklift maker

Market

Industrial automobile

Installed

Forklift

Application

Control of steering angle
● Detecting tire steering angle

User's
Voice



We were looking for a sensor which **withstands shock and vibration** by Road Noise. CP2HX is **touchless type of the sensor parts and the shaft part**, so we could employ it without anxiety.

Case 3

User

A Printing Machine maker

Market

Converting manufacturing

Installed

Rotary Printing Press

Application

Tension control of printing paper
● Detecting angle of control lever



User's
Voice



We are looking for a wear-less angle sensor. CP2HX is **not touched the sensor part and the shaft part**, so that it has been got stable **output without noise such as wear** of conductive plastic element of potentiometers.

Case 4

User

A Construction Machine maker

Market

Construction machinery

Installed

Truck Mounted Crane

Application

Turning angle detection
● Control of Rotational angle position



User's
Voice



CP2HX has been applied under harsh condition such as vibration, water and oil splash. By the sensor part is only **7mm thickness**, we could resolve our task of **miniaturize mechanism** as well.

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