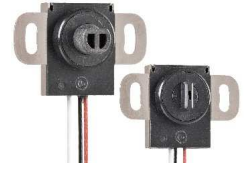


MIDORI's Small Angle sensor

CP-1HX

Usage Case



Case 1

User

A Healthcare device maker

Market

Robotics

Installed

Walking assistance robot

Application

Detecting angle of lower leg joint part

- Motor control

User's Voice



Thin sensor was helpful for miniaturization of Robot's joint part. It also became **lighten** of Robot itself. By using CP-1HX to our Walking Assistance Robot, we have succeeded to reduce the physical burdens of users.



Case 2

User

A Flowmeter maker

Market

Instrumentation

Installed

Small flowmeter

Application

Flow control

- Valve Opening angle detecting

User's Voice



CP-1HX is **very small** so that we could have installed it inside of small flowmeter's housing. We could have met our customers' **need of minimize** the flowmeter.



Case 3

User

An Industrial Robotic maker

Market

Industrial machinery

Installed

AGV

Application

Control of rotational angle

- Control for finger joint angle of Robotic Hand



User's Voice



We were looking for a sensor which **is the smallest and the thinnest** for Robot hand finger joints. CP-1HX is **very thin** so that it was good for applying for finger joint.

Case 4

User

A Specially equipped vehicle maker

Market

Bus

Installed

Bus

Application

Detecting angle of opening door

- Door's open-close angle position detecting



User's Voice



We were looking for an angle sensor which can be used in the harsh conditions. CP-1HX **can be used under vibration and rain-water pouring (IP67)** conditions. It is suitable to use our application.