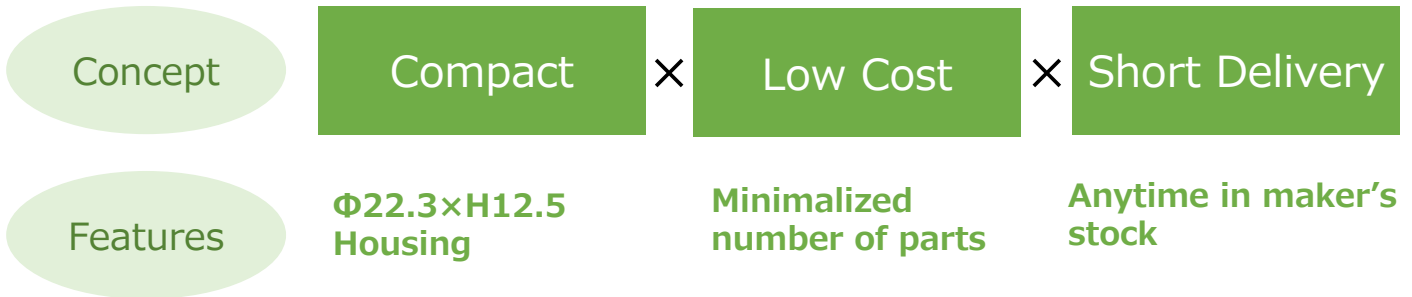





# MIDORI's Small Angle Potentiometer

## CP-2FL




Shaft type

Select from two types of shaft dia.



Φ3.175mm  
(1/8 Inch)



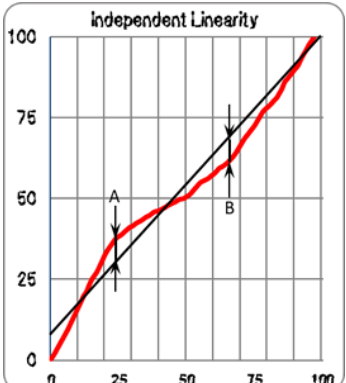
Φ6mm

Linearity

Select Linearity

Standard : ±1%

Custom : ± 0.5 %

















## MAIN APPLICATIONS

Market	User	Installed	Application
Instrumentation	A Flowmeter maker	Valve Controller	Flow control
Survey equipment	A Surveying equipment maker	Anemoscope	Direction of the wind detecting
Medical equipment	A Dental equipment maker	Dental chair	Sheet position control
Medical equipment	A Medical equipment maker	X-ray irradiation system	Focus adjustment
Marine equipment	A Marine equipment maker	Pleasure boat	Lever position control

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

# Finding a solution to problem by using CP-2FL

<u>Problem</u>	Customer <u>Wish</u>	<u>MIDORI's Suggestion</u>
Current potentiometer could not install because of no room in the machine.	 Need small angle potentiometer.	 CP-2FL is small. (Housing size : $\Phi 22.3 \times H12.5 \text{mm}$ )
For our usage, high load will be applied on the bearing part	 Want the potentiometer whom shaft dia. is thick.	 CP-2FL is available shaft $\Phi 6 \text{mm}$ type.
It is difficult to solder wires to terminals.	 It will be nice to solder wires to terminals easily.	 CP-2FL is applied the flat terminal.
It is difficult to position output 0 when the potentiometer is being mounted.	 Need a potentiometer which is easy to adjust angle position.	 Shaft of CP-2FL has the screw driver slot. It helpful for adjustment by the screw driver.
Potentiometer which we use is not worked within short term.	 Need a potentiometer with much more longer life.	 Life of CP-2FL is 10 million revolution.
Output of sensor which we use is not our requesting output increase direction.	 Want to change rotational direction of the sensor.	 By inverting Input terminals, output increase direction become inverse as well.
Even though small size potentiometer, we would like to measure angle more precisely.	 Need an angle potentiometer with small size and high linearity.	 CP-2FL has linearity up to $\pm 0.5\%$ .

Please contact ;

**MIDORI PRECISIONS CO.,LTD.**

3-2-8, Shinmeidai Hamurashi,

Tokyo 205-0023, JAPAN

Tel: +81-42-554-5650

E-mail: overseas@midori.co.jp