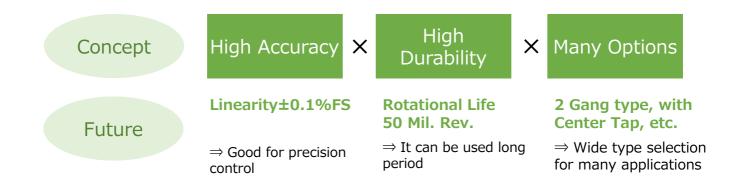


MIDORI's the most popular potentiometer <u>CP-45F</u>





CP-45F series line-up~ Many types of selection

Standard type	<u>Multi-turn type</u>	<u>Water Drip</u> Proof type	Wire Extension Type
Avail. 2 gang type	Gear Ratio : 24/35/60/100	IP rating: IP65	Stroke : Up to 2000mm

MAIN APPLICATIONS

Market	User	Installed	Application
Converting	A Film Manufacturing Equipment maker	Winding/Rewiding device	Dancer roll control
Material handing	A Material handling maker	AGV	Tire steering angle detecting
Marine equipment	A Marine Equipment make	Automatic steering device	Steering Angle detecting
Industrial machinery	A compressor maker	Gas compressor	Gas amount detecting
Surveying equipment	A Surveying equipment maker	Anemoscope	Direction of the wind detecting

 \Rightarrow For details, please refer "Usage Case" flyers.

Finding a solution to problem by using <u>CP-45F</u>

Customer			MIDORI's
Problem		Wish Suggestion	
Current potentiometers are not worked frequently owing to short life time.	3	Want longer life potentiometer.	Life of CP-45F is 50 Million revolution.
It is difficult to solder wires to terminals.	2	It will be nice to solder wires to terminals easily.	CP-45F is applied the flat terminal.
For our usage, high load will be applied on the bearing part. We wonder if it will become a cause of damage of the part.	3	Want the potentiometer with higher Load bearing.	CP-45F's radial load of Bearing part (installed ball-bearing) is <6N.
Current potentiometer could not install because of no room in the machine.	3	Need more thinner potentiometer.	Thickness of CP-45F is only 13.5mm (from mounting surface).
Accuracy of current potentiometer is too low to use for our application.	3	Want to detect angle position more precisely.	Independent linearity of CP-45F is $\pm 0.1\%$. It is good for more precise measurement.
Output of Contactless type sensors has drift by changing temperature. It could not be used our machine.	0	Need stable output sensor under temperature change condition.	Output of CP-45F is stable (\pm 400ppm/K) under temperature range -40~+120°C.

Please contact ;

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