

Electronic Rotary Knob & Hand Throttle Sensor (MSH104)

Model: MSH104 Series

Product Overview

10-gear detent rotary knob and hand throttle potentiometer for excavator engine speed control, construction machinery, and industrial vehicles.

Key Features

- Contactless Hall sensing element with distinct 10-step mechanical detents
- Panel-mount IP65 sealed dial housing with ergonomic textured knob
- Dual channel linear voltage output for ECU throttle coordination
- Smooth tactile indexing feel with positive gear retention
- High shock and vibration immunity for heavy off-highway equipment

Typical Applications

- Automotive & Commercial Vehicles
- Industrial Machinery & Automation
- Electric Vehicles (EV & FCEV)
- Safety Interlocks & Control Systems

Technical Specifications

Parameter	Specification / Technical Value
Operating Angle	0° to 270° with 10 detent gear positions
Supply Voltage	5.0V DC or 24V vehicle battery input
Output Signal	0.5V to 4.5V proportional steps
Operating Temp	-40°C to +85°C
Detent Torque	80 to 180 mN·m
Protection Class	IP65 panel face