

## Vector sensor MX020 series

2023/03/22

## Features



- Possible to detect three rectilinear force and directions at the same time.
- Compact size and suitable for detecting the holding force

## Specification

Specification name	Specification contents
Output axis	Fx, Fy, Fz
Rectilinear force Fz	±20 N
Rectilinear force Fx / Fy	±10 N (In the case that the distance from fulcrum to input force point of the lever is 60 mm.)
Force distance	30 mm ~ 60 mm (The distance from the fulcrum to the input force point on the Fz axis is named as force distance)
Safe overload	150 %R.O.
Ultimate overload	200 %R.O.
Non-linearity	2 %R.O.
Hysteresis	1 %R.O.
Excitation, recommended	5 VDC
Insulation resistance	2 000 Ω or more (50 VDC)
Temp. range, safe	-10 °C ~ 80 °C
Cable	φ2.5, 10-cores shielded cable 1.2 m directly attached and cable end is separated with soldering.
Material of the element	Stainless steel

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Material of the element	Stainless steel
Outline dimension	φ20 x H10 mm
Weight	Approx. 15 g

### Options

[Digital transmitter CSD-594](#)

[PC Board type Transmitter CSA-524](#)