

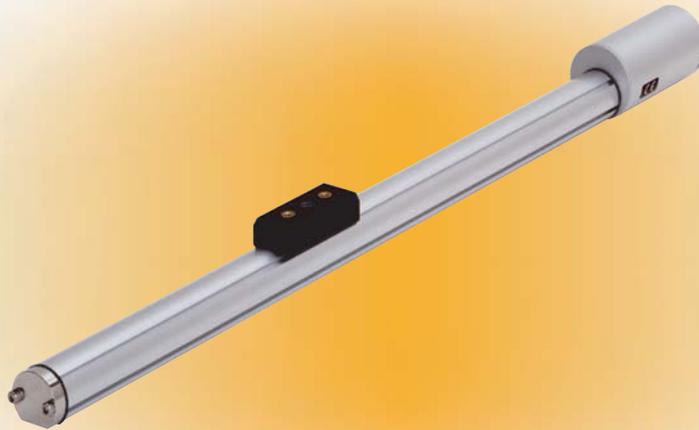
# High-precision Position Transmitter

## GYKM-LT

Converts position to an electrical signal with high precision

### ■ Features

1. There is no contact between the magnetostrictive wire and the slide magnet, so mechanical service life is maximized.
2. Resolution not exceeding 0.01%, linearity not exceeding 0.025%

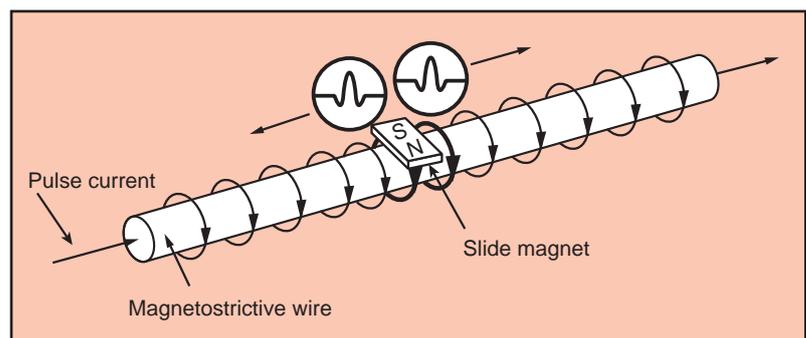


### ■ Specification

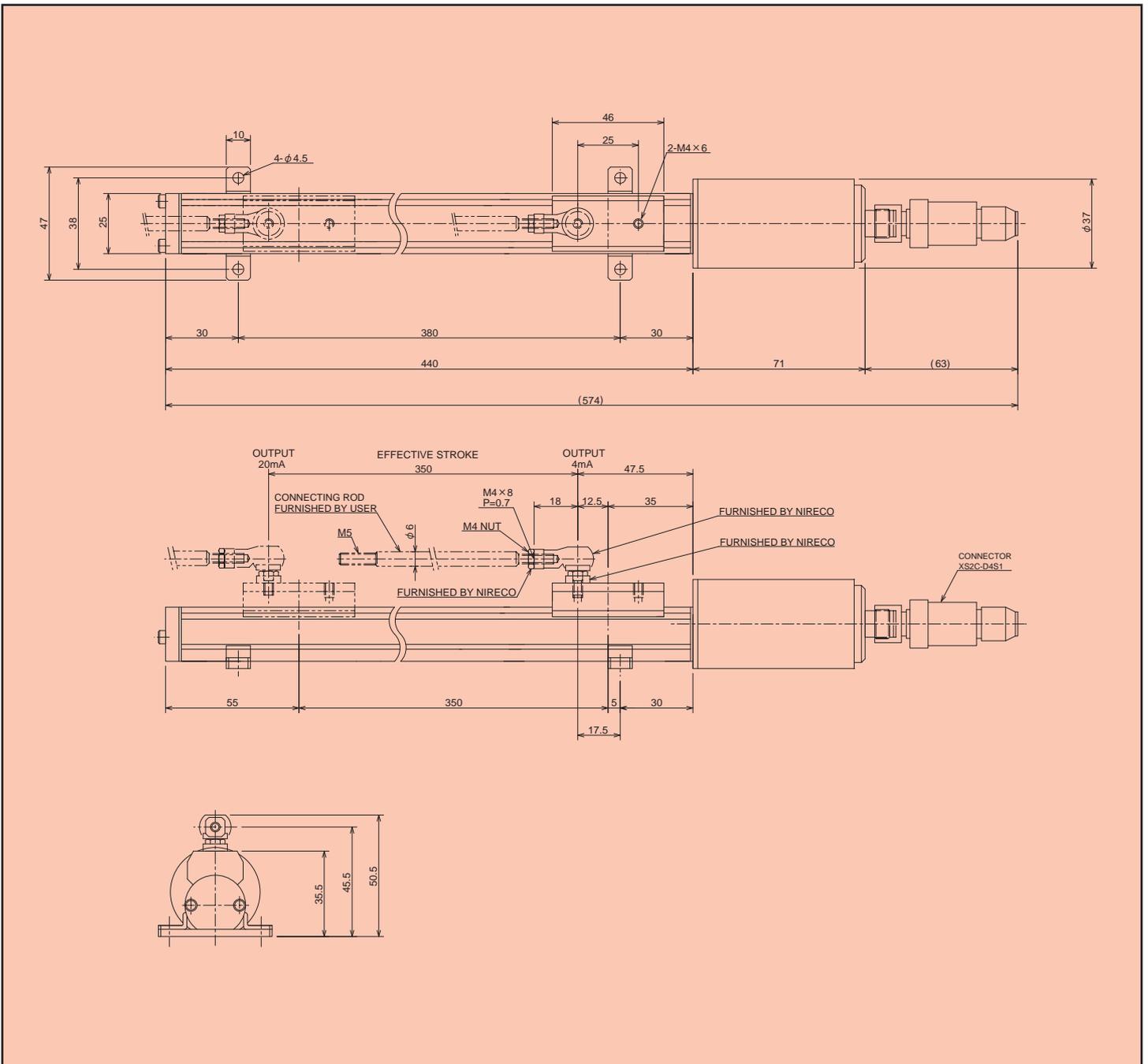
Model	GYKM-LT
Stroke	350mm
Output	4~20mA Load resistance Max 500Ω
Resolution	Not exceeding 0.01% FS
Linearity	Not exceeding ±0.025% FS
Sampling frequency	1kHz
Power supply	24 ±2V DC, 0.05A
Operating temperature	0°C ~ +50°C
Storage temperature	-20°C ~ +60°C
Vibration resistance	3G
Protection standard	IP 65
Mass	3kg

### ■ Operating principles

When a pulse signal flows in the magnetostrictive wire inside the transmitter of the high-precision position transmitter, a magnetic field is generated around the wire. Placing a magnet in this field causes mechanical vibration in the magnetostrictive wire, and the vibration propagates along the wire at the speed of ultrasound. The time of propagation is measured to gauge the position of the slide magnet.



## External dimensions



We reserve the right to change the specifications in this catalog without prior notice to improve and update our products.



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