

AEC-55 SeriesSensor : **PU-05**

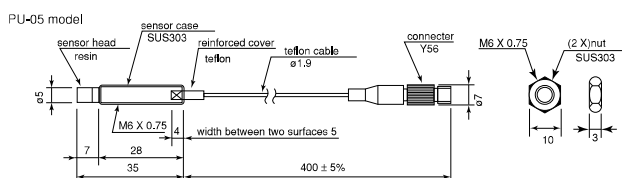
Adopted converters : AEC-5505 55MS-M 5505HF

Adopted cables : PC model cable

: PCT model cable

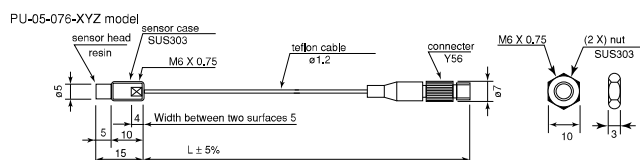
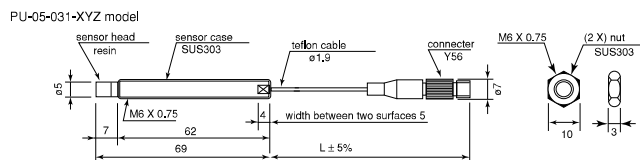
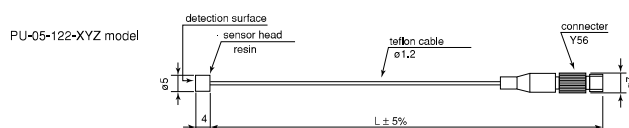
**Specifications**

model	Sensor : PU-05		
measuring range (iron)	0 to 2mm (α 0 : 0.05mm)		
output voltage	$\pm 5V$ (0.2mm/V)		
adopted converters	5505	55MS-M	5505HF
resolution	0.5 μ m	0.8 μ m	0.8 μ m
linearity	$\pm 0.5\%$ /FS (measuring distance of 0.2 to 1.8mm) 3%/FS (other measuring distance)		
temperature range	-20°C to 180°C		
thermal characteristics	$\pm 0.8\mu$ m/°C of drift between -20°C and 80°C $\pm 1\mu$ m/°C of drift between 80°C and 180°C		

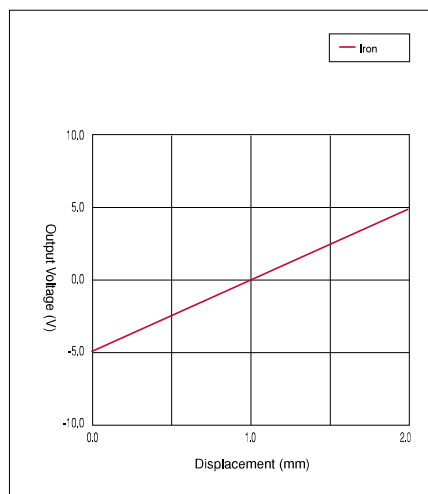
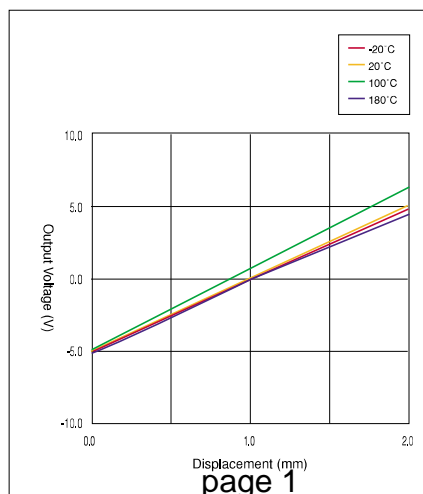
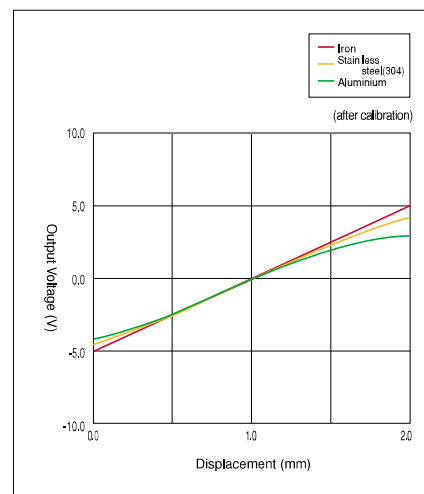
※ See p86 about dead zone α 0.**Appearance****Features and specifications**

- High temperature resistance type max.:250°C
- Acceptable for orders such as pressure, vacuum and water resistance type
- Acceptable for an order of a requested size such as the total length of a sensor (M6 case contained)
- Acceptable for an order of a requested type of sensor head (for example PU-05-122)
- Acceptable for an order of a thin type sensor as thick as 2mm (a cable connected to lateral side of sensor case)

※Special specification and profile need to match the conditions of use.
Please do not hesitate to contact us concerning your requests.

Ordered profile

XYZ in model represent cable length, example 401 represents 400mm and 102 represents 1000mm.

Output characteristics / linearity**Thermal characteristics****Variation depending on target materials**

73-V/ D converter for watching monitor

Adopted converter : S model sensor SeeP52, 53

Adopted cable : PC model cable

converter : **AEC-76**

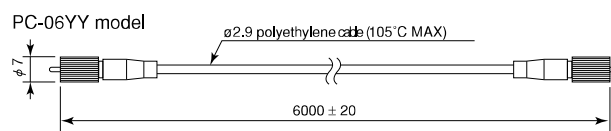
Specifications

model	converter : AEC-76 □□ (□□ symbolize sensor diameter)
output voltage	see each sensor section
frequency	DC to 20kHz
resolution	see each sensor section
temperature range	-10°C to 70°C
thermal characteristics	±0.05%/°C of drift between 5°C and 4°C ±0.1%/°C of drift between 40°C and 55°C
power supply	DC±11V to 26V、25mA (supply from monitor)

Features and specifications

- Optimum miniature converter for installation
- Available for purchase of a converter which is intend to protects from interference noise caused when multiple sensors come close each other.
- Able to manufacture a built-in power supply multi-channel type, if desired.

Adopted cable



※Acceptable for use with all kinds and lengths of flexible armoured cables

Outline view

