

MC-605 | STAINLESS STEEL



FEATURES

- ▶ Column force sensors are made of 17-4PH stainless steel and have a robust construction.
- ▶ These force sensors have high accuracy.
- ▶ This kind of force sensors utilizes strain gauge technology.
- ▶ Most capacities of these force sensors are available and can be modified or customized to meet requirements.

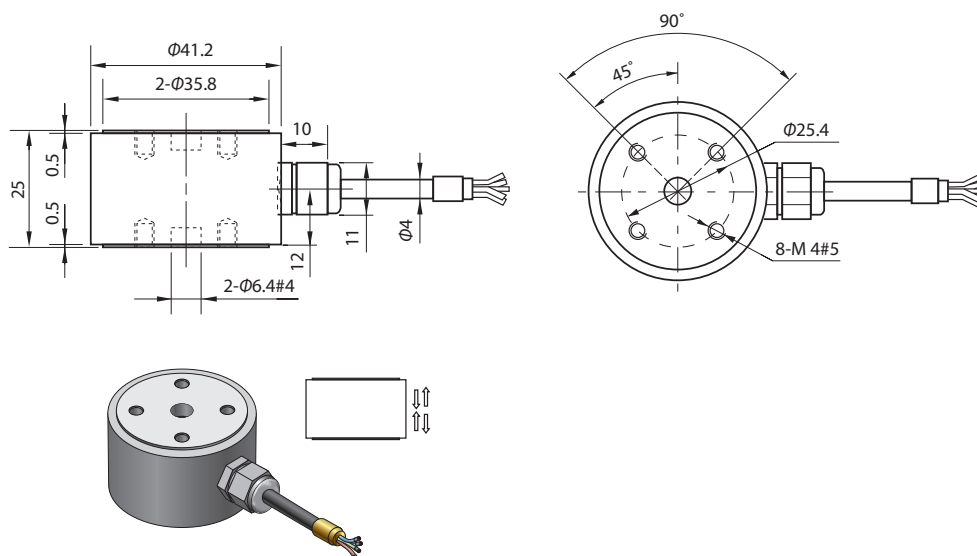
Applications

▶ Column force sensors are mainly applied in force measurement in small space installation, such as feeling tester for keyboard switch, pressure measurement for hot and cold lamination machine, and grasping force measurement for robotic hands.

SPECIFICATION

Capacity	10,2050,100,200,500,1000kg	Output Impedance	350±3Ω
Rated Output	2.0 ±10% mV / V	Insulation (DC 50V)	≥5000MΩ
Zero Balance	±2 % F.S.	Recommended Excitation	3 ~ 10 V
Non-Linearity	0.1 % F.S.	Maximum Excitation	15 V
Hysteresis	0.1 % F.S.	Compensated Temp Range	-10 ~ 60 °C
Repeatability	0.1 % F.S.	Operating Temp Range	-20 ~ 80°C
Creep (30min)	0.05% F.S.	Safe load limit	150% F.S.
Temp Effect on Output	0.05% F.S. / 10°C	Ultimate Load Limit	300% F.S.
Temp Effect on Zero	0.05% F.S. / 10°C	Cable Size	Ø 3×3m
Input Impedance	385±5Ω	Wire Connection	Ex+: Red EX-: Black Sig+: Green Sig -: White

DIMENSION



Unit (mm)