

Magnetic field sensor to measure current by alternating magnetic field of close current line

AC current sensor

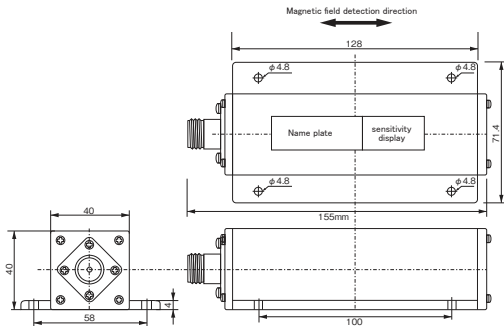


Model MFS-22-1000B

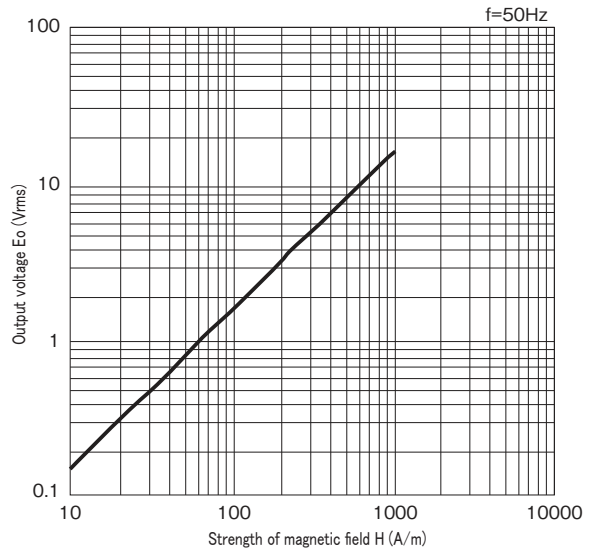
[Features]

- The sensor to detect the alternating magnetic field generated by AC current flowing in electrical wire
- Possible to earn the output proportional to current value with fixed positional relationship between electrical wire and this sensor
- Possible to detect in a stable for small current because of design as high sensitivity

[Outline drawing]



[Output voltage vs. Magnetic field characteristic]



[Specification] $T_a=25^\circ\text{C}$

Model	MFS-22-1000B
Magnetic field	10 ~ 1000A / m (50 / 60Hz)
Frequency	more than 50Hz
Output sensitivity	16.0mV / (1A/m) \pm 3% (50Hz) 18.7mV / (1A/m) \pm 3% (60Hz) Refer characteristic in detail
Operating temperature	-20°C ~ +75°C
Storage temperature	-30°C ~ +90°C
Structure	Made by aluminum, black paint finishing, drip proof structure
Output connector	N type receptacle:UG-58A/U
Screw torque	0.7N · m
Mass	approximately 600g

Remark

- (1) Example of use 1:Remote monitoring of transmission and distribution line from the ground
- (2) Example of use 2:Remote monitoring of rail current for electric railway

[Output voltage vs. frequency characteristic]

