

Electromagnetic/Magneto-electric Rotation detector

Classification table

MP-900, 9000 series (Electromagnetic)

Need no power supply

MP-9810, 9830/AP-981 (Magneto-electric)

Ultra Low speed, High speed

Acid-proof, water-proof

- A** Detectable frequency range
- B** Applicable module of detecting gear

MP-936
Heat resistant
220°C

MP-935
Heat resistant
Oil-proof
150°C

MP-930
Oil-proof

MP-936
A 300 to 35,000 (Hz)
B 1 to 3

MP-935
A 300 to 35,000 (Hz)
B 1 to 3

MP-930
A 200 to 35,000 (Hz)
B 1 to 3

Environmental resistant

Signal cable length 1 m

Signal cable length 1 m

Signal cable length 0.5 m

1)JEM-1030-1983

MP-9810
A 0 Hz to 20 kHz
B 0.5 to 3

MP-9830
A 0 Hz to 100 kHz
B 0.5 to 3

Ultra low, High speed

Magneto-electric

Positioning is required for the MP-9810/9830 and the AP-981.

Positioning mark

Positioning mark

Positioning mark

AP-981
A 1 to 20,000 (Hz)
B 1 to 3

Acid-proof, water-proof

Signal cable length 2 m (EP rubber sheath)

2)JIS C 0920 protection class 7 (IPX7)

MP-992
A 400 to 100,000 (Hz)
B 1 to 3

120°C

M5X0.5

Signal cable length 0.5 m

FEP electric cable

Small type

MP-950
A 300 to 35,000 (Hz)
B 1 to 3

M12

Signal cable length 0.5 m

MP-962
A 400 to 35,000 (Hz)
B 1 to 3

M8X0.5

Signal cable length 0.5 m

MP-910
A 200 to 35,000 (Hz)
B 1 to 3

Connector (HS12RG-2)

General

MP-911
A 200 to 35,000 (Hz)
B 1 to 3

1: SIGNAL
2: COMMON

Signal cable length 5 m

MP-9200
A 300 to 35,000 (Hz)
B 0.5 to 1

For small module

MP-963
A 45 to 15,000 (Hz)
B 3 to 10

For middle module

MP-9120
A 200 to 80,000 (Hz)
B 1 to 3

For high speed

Mounting example

Detector

Mounting fixture (user preparation)

Detecting gear (Involute type)

MP-940A
A 300 to 35,000 (Hz)
B 1 to 3

PF 1/4

Long body

MP-954
A 300 to 35,000 (Hz)
B 1 to 3

M12

Signal cable length 0.5 m

MP-001

Standard detecting gear for the MP series

Number of gear teeth 60
Module 1
Material SS400 (coated)