General Specifications

AM012
Calibrator for Magnetic Flowmeter

GS 1E6K2-E

■ OUTLINE

AM012 is a signal generator used to check the calibration and operation of YOKOGAWA's magnetic flowmeter.

As the excitation load is built-in, the calibration and operation of a converter can be checked without a detector.

Span can be set within the range of flow rates 0 to 10.99 m/s.Output signal corresponding to setting span can be set to 0, 25, 50, 75, 100% with the output (%) knob.



■ STANDARD SPECIFICATIONS

Case:
Material: Unsaturated polyester resin
Size: 110 (height) x235(width) x364(rear) mm.
Color: Light grayish green.

Connecting Cable:
Power cable for AM012, Signal cable, Excitation cable

Setting Ranges:
Span Setting Dial: 0 to 10.99 m/s (minimum span 0.01 m/s).
Output (%) Knob: CHECK, 0, 25, 50, 75, 100%.

Accuracy:
0.1 m/s or more: ±0.04% of set value.
0.1 m/s or less: Flow rate of ±0.04 mm/s.

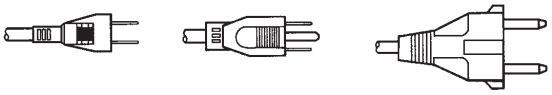
Power Supply:
90 to 132 V AC or 180 to 264 V AC, 47 to 63 Hz

Ambient Temperature:
0 to 40°C

Weight:
4.2kg

■ ACCESSORIES

Power cable* ..... one
Signal cable
(Terminal: M4 screw type and Clamp type) ..... one each
Excitation cable
(Terminal: M4 screw type and Clamp type) ..... one each
*: The cable plugs vary depending on the specification.



100 V AC (JIS plug) | 100 V AC (UL plug) | 200 V AC (CEE plug) F01.ai

■ MODEL AND SUFFIX CODE

Model	Suffix code	Description
AM012	.....	Calibrator for Magnetic Flowmeter
Power Cable	**-1** ..... **-2** ..... **-3**	100 V AC (JIS plug) 100 V AC (UL plug) 200 V AC (CEE plug)
Style Code	***A**.....	Style A
Optional Specification	**/AE** **/SE**	Junction box for ADMAG CA and ADMAG AE Junction box and special cable for ADMAG SE

Note: When using the AM012 calibrator with the AXG, AXW, CA, AXR, AXF, AE, SE integral flowmeter, remove the amplifier only from the converter and put it in the dedicated junction box for calibration. If junction box is necessary for CA, AE, or SE, select the optional code AE or SE.
If junction box is necessary for AXG, AXW, AXR, AXF integral flowmeter, contact the nearest YOKOGAWA office.

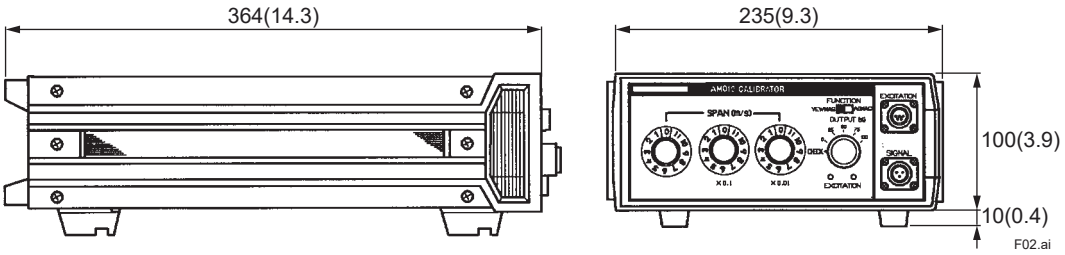
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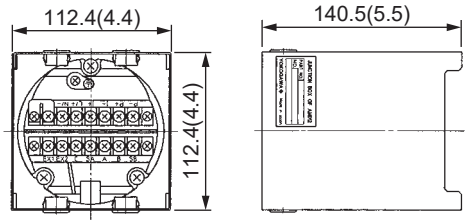
■ EXTERNAL DIMENSIONS

●**AM012**

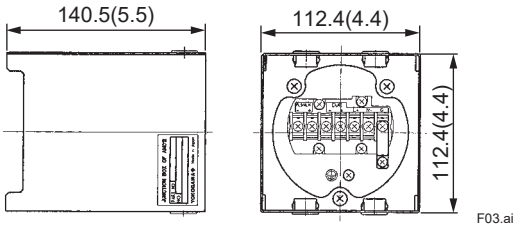
unit: mm (approx. inch)



●**Junction box (for CA and AE)**



●**Junction box (for SE)**



■ CABLE CONNECTIONS

(1) AXG, AXW, CA, AXR, AXF, AXG4A, AXFA11, AM11, AM12, AM100A/B, AM200A/B, YMA11, AE

AM012		Converter
Connector	**Cable**	**Terminal**
SIGNAL (Flow rate)	A B C	A B C
EXCITATION (Excitation current)	EX1 EX2 G	EX1 EX2 G
POWER SUPLLY	Power plug	Power outlet

(2) SE100M/200M

AM012		SE100M/200M
Connector	**Cable**	**Connector**
SIGNAL (Flow rate)	Connector	Connector on amplifier
EXCITATION (Excitation current)	Connector	Connector on amplifier
POWER SUPLLY	Power plug	Power outlet

(3) CompactYEWMAG style A

AM012		CompactYEWMAG
Connector	**Cable**	**Connector**
SIGNAL (Flow rate)	Connector	Connector on right side of amplifier
EXCITATION (Excitation current)		
POWER SUPLLY	Power plug	Power outlet

(4) CompactYEWMAG style B

AM012		CompactYEWMAG
Connector	**Cable**	**Connector**
SIGNAL (Flow rate)	Connector	Connector on left side of amplifier
EXCITATION (Excitation current)	Connector	Connector on right side of amplifier
POWER SUPLLY	Power plug	Power outlet

■ ORDERING INFORMATION

Model, Specification and Optional Code

■ RELATED INSTRUMENTS

Product	Document Number
ADMAG TI Series AXG Magnetic Flowmeter	GS 01E22A01-01EN
ADMAG TI Series AXW Magnetic Flowmeter [Size: 25 to 400 mm (1 to 16 in.)]	GS 01E24A01-01EN
ADMAG TI Series AXW Magnetic Flowmeter [Size: 500 to 1800 mm (20 to 72 in.)]	GS 01E25D11-01EN
FSA130 ADMAG TI Verification Tool	GS 01E21A04-01EN
CA Capacitance Magnetic Flowmeter	GS 01E08B01-00E
AXR Two-wire Magnetic Flowmeter	GS 01E30D01-01EN
AXFA11 Magnetic Flowmeter Remote Converter	GS 01E20C01-01E
AXFA14 Magnetic Flowmeter Remote Converter	GS 01E20C02-01E
AXF Magnetic Flowmeter	GS 01E20D01-01E
AM11 Magnetic Flow Converter	GS 01E06C01-00E
AM Magnetic Flowmeter	GS 01E06D00-00E
AE Magnetic Flowmeter	GS 01E07A00-01E
SE Magnetic Flowmeter	GS 01E10A01-01E GS 01E10B01-01E

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