

General Specifications

Model AM012 Magnetic Flow Converter

GS 1E6K2-E

OUTLINE

AM012 is a signal generator used to check the calibration and operation of AM11 MAGNETIC FLOW CONVERTERS, AM12 MAGNETIC FLOW CONVERTERS, AM100A/200A-INTEGRAL TYPE MAGNETIC FLOWMETER, YMA11 MAGNETIC FLOW CONVERTER, COMPACT YEW MAG MAGNETIC FLOWMETER (style A and style B) and ADMAG AE MAGNETIC FLOWMETER.

As the excitation load is build-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 m/s. Output signal corresponding to setting span can be set to 0, 25, 50, 75, 100% with the setting dial.



STANDARD SPECIFICATIONS

Case:

Material: Polyester resin
Size: 110 (height) x 235 (width) x 364 (rear) mm.
Color: Light grayish green.

Connecting Cable: Power cord for AM012.
Signal cable.
Excitation cable.

Setting Ranges:

Span Setting Dial: 0 to 10 m/s (minimum span 0.01 m/s).
Output Setting Dial: CHECK, 0, 25, 50, 75, 100%.

Accuracy:

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

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

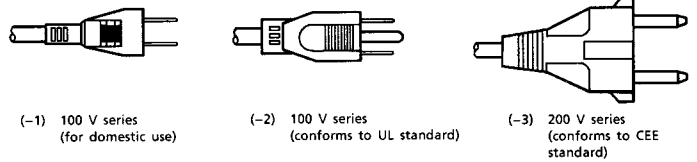
Ambient Temperature: 0 to 40

Weight: 4.2kg

Model	Suffix code	Description
AM012	Calibrator for Magnetic Flowmeter
Power code	-1.....	100 V version
	-2.....	100 V version
	-3.....	200 V version
Style code	*A.....	Style A
Optional specification	/CYM	With Cable for compact YEW MAG
	/AE	With Junctionbox for ADMAG AE and ADMAG CA
	/SE	With Junctionbox for ADMAG SE, and special cable

Power Code

Power plug is attached as described below.



OPTIONAL SPECIFICATION

Cable for Compact YEW MAG

For the calibration of Compact YEW MAG. With the connector for signal and excitation cable. Option code /CYM

Junctionbox for ADMAG AE and ADMAG CA

When using the AM012 calibrator with the ADMAG AE and ADMAG CA, remove only the amplifier from the converter and put it in the dedicated junctionbox for calibration. Use this item when only the junctionbox for AM012 is to be procured. Option code /AE

Junctionbox for ADMAG SE

When using the AM012 calibrator with the ADMAG SE, remove only the amplifier from the converter and put it in the dedicated junctionbox for calibration. Use this item when only the junctionbox for AM012 is to be procured. Option code /SE

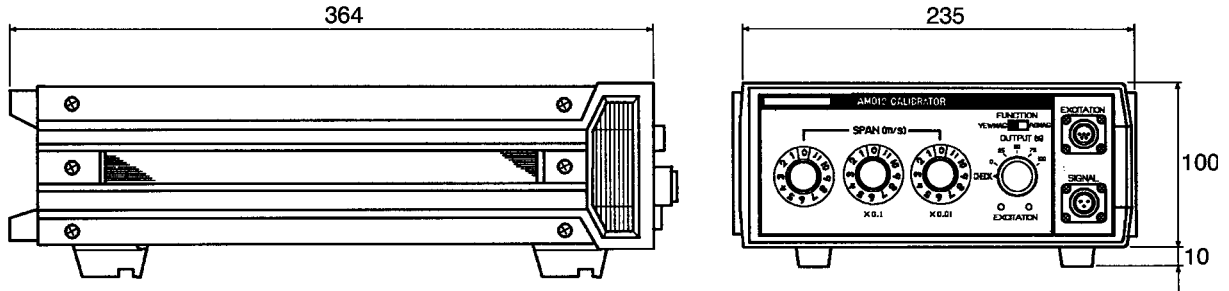
ACCESSORIES

- Power code 1set
- Fuse (0.2A) 1set
- Signal cable 1set
- Excitation cable 1set
- Junction box (/AE, /SE) 1set
- Cable for ADMAG SE(/SE) 1set
- Cable for Compact YEW MAG(/CYM) 1set

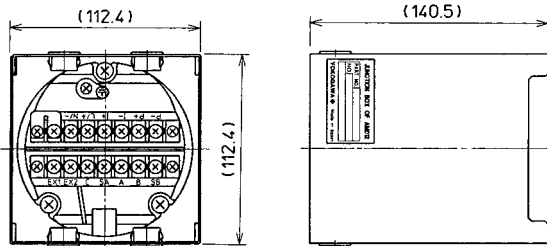
EXTERNAL DIMENSIONS

unit : mm

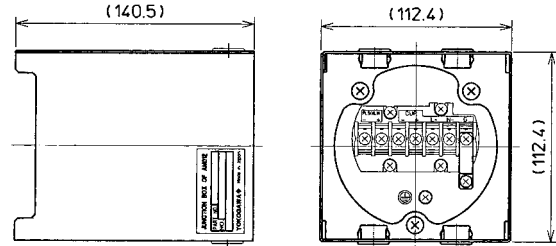
AM012



Junction box (For AE100/200 and CA100/200)



Junction box (For SE100/200)



CABLE CONNECTIONS

(1) AE14, AE100/200, AM11, AM12, AM100A/B, AM200A/B, YMA11

AM012		AM11 AM12 AM100A/B AM200A/B YMA11
Connector	Cable	
Flow rate	A B C	A B C
Excitation current	Ex1 Ex2 G	Ex1 Ex2 G
Power supply	Power plug	Power outlet

(2) SE100M/200M

AM012		SE100M/200M
Connector	Cable	
Flow-rate	Connector	Connector on amplifier
Excitation current	Connector	Connector on amplifier
Power supply	Power plug	Power outlet

(3) Compact YEWMAG style A

AM012		Compact YEWMAG
Connector	Cable	
Flow rate	Connector	Connector on right side of amplifier
Excitation current		
Power supply	Power plug	Power outlet

(4) Compact YEWMAG style B

AM012		Compact YEWMAG
Connector	Cable	
Flow-rate	Connector	Connector on left side of amplifier
Excitation current	Connector	Connector on right side of amplifier
Power supply	Power plug	Power outlet

===== ORDERING INSTRUCTIONS =====

Model and Suffix codes

===== RELATED INSTRUMENTS =====

- AM11 GS 1E6C1-E
- AE100M/200M..... GS 1E7B1-02E
- AE14 GS 1E7A0-01E
- CA100/200 GS 1E8B1-E
- SE100M/200M GS 1E10B1-01E