

Moving-Coil Type

Current or Voltage Signal Indicator

Model YME-152, YMW-110/080

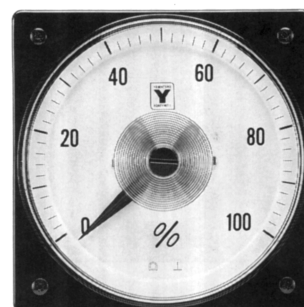
Introduction

Moving-coil Type Indicators (YME/ YMW) are a current or voltage signal indicator, which accept an analog (4 to 20mA DC or 1 to 5V DC) signal and indicates it on a vertical or horizontal (YME), or wide-angle scale (YMW).

For intrinsic safety application, they also are available with intrinsic safety feature (i2G4) in combination with a zener barrier.



YME-152V



YMW-110

Specifications

Model number Item		Current signal indicator			Voltage signal indicator		
		YME-152	YMW-110	YMW-080	YME-152	YMW-110	YMW-080
Indicating section	Indicating type	Vertical or horizontal	Wide-angle(250°)		Vertical or horizontal	Wide-angle(250°)	
	Input	4~20mADC			1~5VDC		
	Input impedance	10Ω or less			1MΩ or more		
	Scale length	100mm	197mm	132mm	100mm	197mm	132mm
	Scale range	0 to 100% even or 0 to 10√ (square root)					
	Scale character (numeric)	Maximum 3 digits (excluding decimal point), and for those exceeding three digits, uses a factor.					
	Accuracy	±1.5%FS		±2.5%FS	±1.5%FS		±2.5%FS
Common section	Characteristic	Complies with JIS C1102 Indicating Electric Instrument.					
	Power supply	—			DC24V ^{+15%} _{-10%}		
	Power consumption	—			0.75W		
	Ambient temperature	0~50℃					
	Ambient humidity	10 to 90%RH (w/o condensation)					
	Mounting	Panel-mount(Close-contact available. YME-152V: Side-to-side close-contact mount possible, YME-152H: Bottom-on-top close-contact possible.)					
	Weight	1.2kg	0.7kg	0.2kg	1.3kg	0.8kg	0.2kg
	Paint	(1)Dark beige (2)Black (3) Jade green					
	Dimensions	Refer to Dimensions Drawing.					

Note) In case of YMW-080, power unit (0.2kg) is separately mounted.

Model Number Table

Ex. YME-152V-4XX1

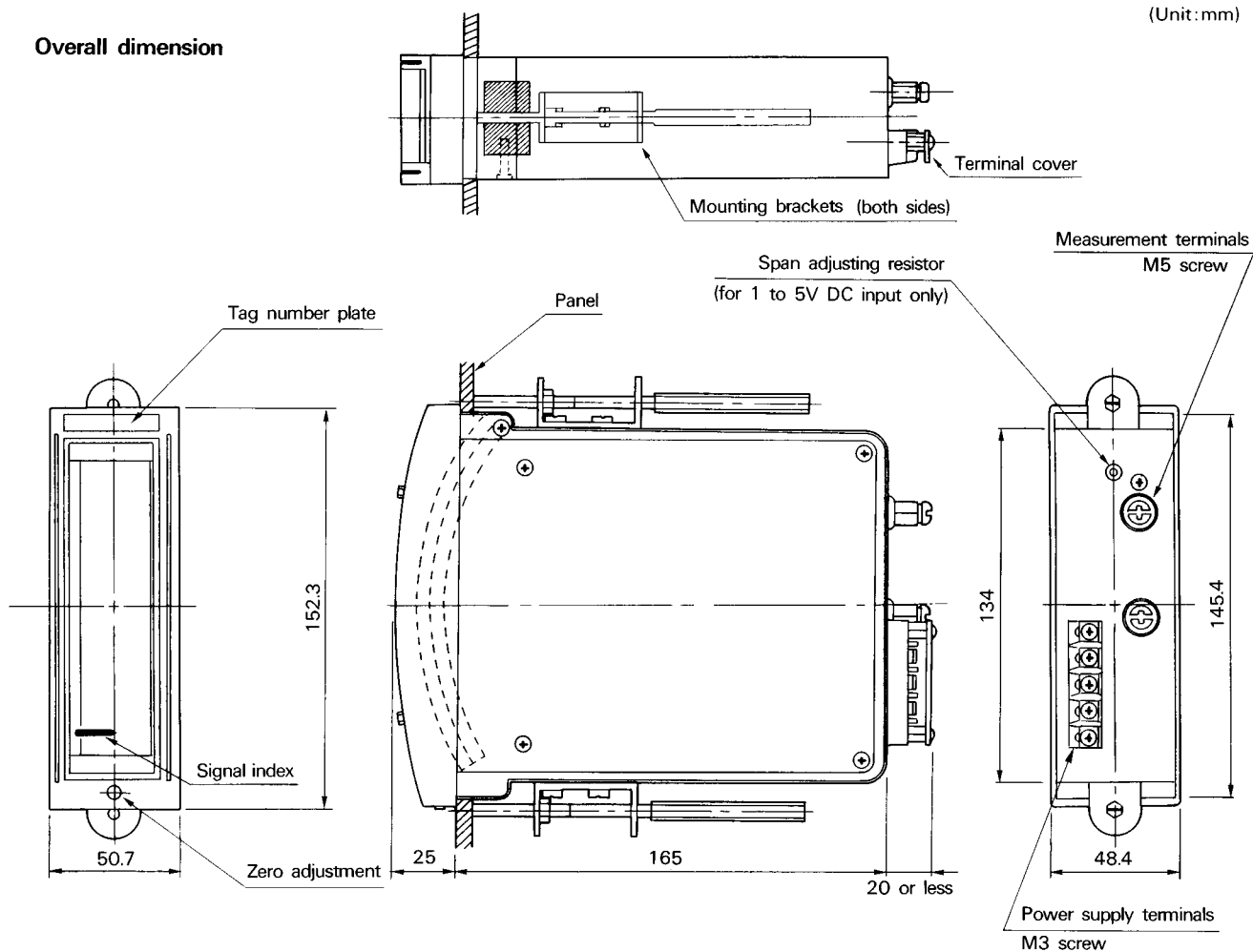
Basic model number	Selections				Description
Model name	Input	Power supply	Alarm	Paint	
YME-152V					Vertical indicator
YME-152H					Horizontal indicator (Semi-standard)
YMW-110					110mm wide-angle indicator
YMW-080					80mm wide-angle indicator (Semi-standard)
	-1				1 to 5V DC (Semi-standard)
	-4				4 to 20mA DC
	-9				Special input (Refer to Table 1.)
		X			W/o power supply (In case of 4 to 20mA DC input)
		3			24V DC (In case of 1 to 5V DC input)
			X		W/o alarm function
				1	Dark beige (Munsell 10YR4.7/0.5)
				2	Black (Munsell N1.2) (Semi-standard)
				3	Jade green (Munsell 7.5BG4/1.5) (Semi-standard)

Table 1. Special input range (For those other than this, consult us.)

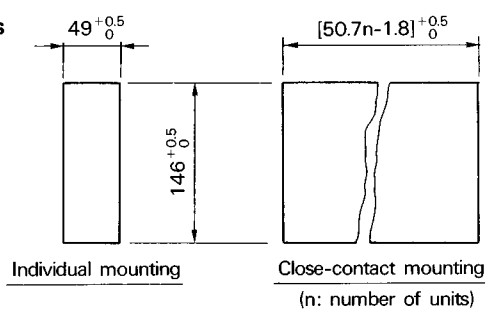
Model number	Current signal Indicator		Voltage signal indicator	
	DC	AC	DC	AC
YME-152	500 μ A~10A	1mA~300mA, 1A, 5A	1V~300V	10V~300V
YMW-110	500 μ A~10A	1mA~300mA, 1A, 5A	3V~300V	10V~300V
YMW-080	500 μ A~10A	1mA~300mA, 1A, 5A	3V~300V	10V~300V

Overall dimension

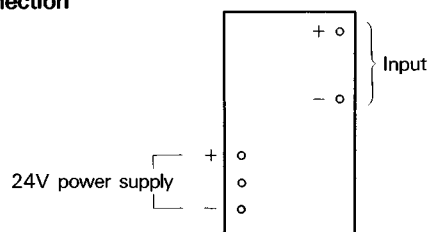
(Unit:mm)



Panel cutout dimensions



Terminal connection

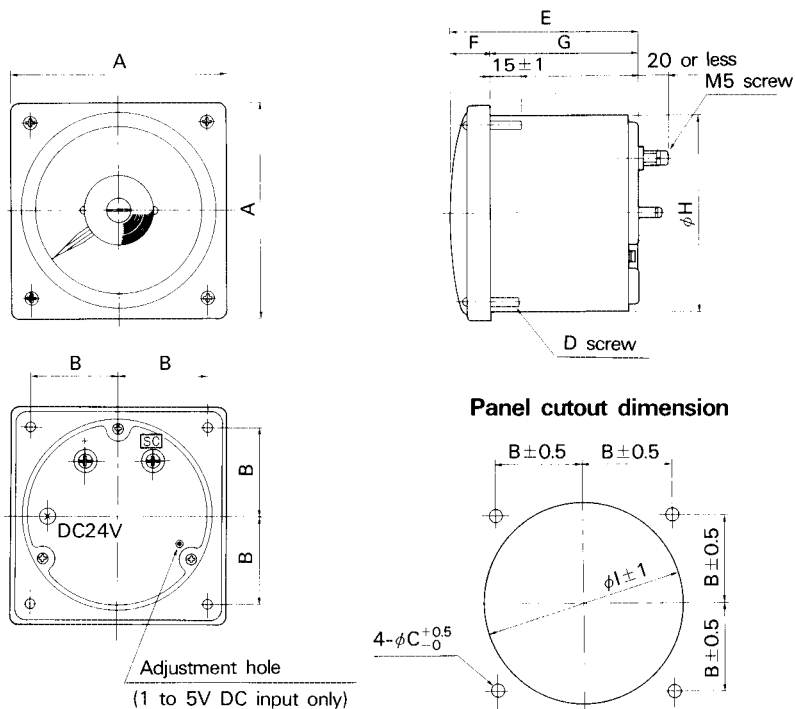


Note) In case of 4 to 20mA DC input, power terminals are not provided.

Figure 1. Dimensions and terminal connection drawing of YME

(Unit:mm)

Overall dimension



Dimensions(mm)

Model number	A	B	C	D	E	F	G	H	I
YMW-110	110	45	6	M5	96	21	75	100	103
YMW-080	80	32	4	M3	62	16	46	65	67

Note) In case of 4 to 20mA DC input, power terminals are not provided.

Terminal connection

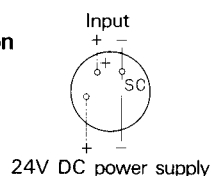
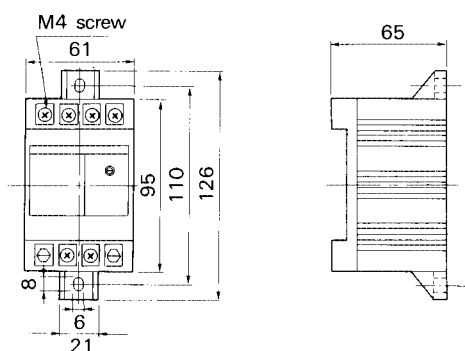


Figure 2. Dimension and terminal connection drawings of YMW

Overall dimension



Terminal connection

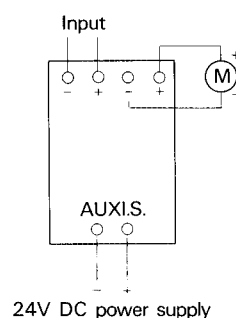


Figure 3. Power supply unit (for 1 to 5V DC input, YMW-080)

Specifications are subject to change without notice.

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