

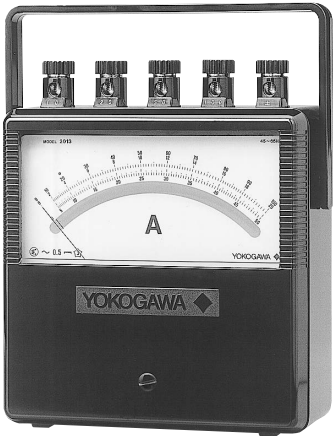
Portable AC Ammeters and Voltmeters

2013, 2014

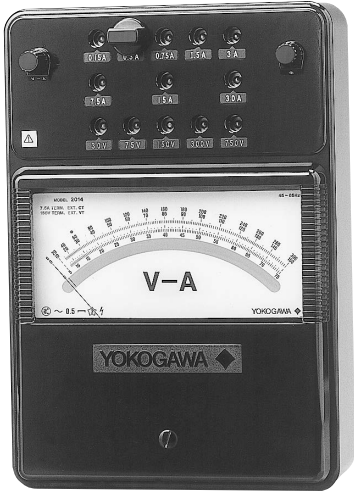
Models 2013 and 2014 are moving iron type instruments using a taut-band suspension system. The suspension system provides excellent reproducibility without friction, and good resistance to shock impact. A cap shield mechanism serving to reduce external magnetic fields, and other components ensure stable performance.

Features

- Taut-band suspension system eliminates friction and provides good resistance to shock impact.
- Stable performance ensures that changes over time are negligible.
- Magnetic circuit reduces the effects of external magnetic fields.



2013 14



2014 00

Specifications

Operating principle : Moving iron type
Class : JIS C 1102, equivalent to Class 0.5
Operating position : Horizontal
Scale length : Approximately 135 mm (deflection angle: 85°)
Rated Frequency : 50/60 Hz
Scale divisions : Check the symbols below against the instrument list.
A: 100 divisions B: 150 divisions C: 100/150 divisions
D: 100/125 divisions E: 120/150 divisions

Operating temperature and humidity ranges : 0 to 40°C, 25 to 80%RH
Storage temperature and humidity ranges : -10 to 50°C, 25 to 80%RH
Insulation test : Between electrical circuit and the case DC 500 V/More than 10 MΩ
Voltage test : Between electrical circuit and the case AC 3000 V for 5 seconds
External dimensions and weight :
2013 Approximately 197 × 181 × 92 mm, approximately 1.7 kg
2014 Approximately 260 × 180 × 120 mm, approximately 4.2 kg
Standard accessories : Instruction Manual (1)
Dustproof Cover (2014 00 only)
Optional accessories (sold separately) : 2291 01 Carrying case for 2013 (page 10)
2292 01 Carrying case for 2014 (page 10)

Model		Maximum scale value		Approximate internal resistance and consumed power	
2013		(scale divisions)			
	01	20/100	mA A	0.3/0.2	VA
	03	100/500	mA A	0.5/0.5	VA
	04	0.2/1	A A	0.4/0.4	VA
	06	1/5	A A	0.6/0.6	VA
	07	2/10	A A	0.7/0.7	VA
	08	5/25	A D	1/1	VA
	09	10/50	A A	1.2/1.8	VA
	10	20/50/100/200	mA A	0.4/0.3/0.2/0.3	VA
	11	0.1/0.2/0.5/1	A A	0.2/0.3/0.4/0.5	VA
	12	0.5/1/2/5	A A	0.7/0.6/0.5/0.3	VA
	13	2/5/10/20	A A	0.5/0.3/0.6/0.9	VA
	14	10/20/50/100	A A	0.6/0.9/1.7/2.4	VA
	15	15/30	V B	3.8 VA	
	16	30/75	V B		
	17	75/150	V B		
	18	150/300	V B		
	19	300/750	V B		
2014	00	30/75/150/300/750 V 0.15/0.3/0.75/1.5/3/ 7.5/15/30 A (13 different measurement ranges)	B	Each voltage measurement range 4.5 VA Current measurement range 7.5 A or less 0.7 VA 15 A 0.9 VA 30 A 2 VA	

- Notes
1. For ranges higher than 100 A, externally connect current transformer 2241 00 or 2242 00 (page 9) to the 7.5 A terminal on 2014 00.
 2. For ranges higher than 750 V, or externally connect voltage transformer 2261 01 (page 9) to the 150 V terminal on 2014 00.
 3. Not JIS-approved.