

Specifications

Measuring Method:	$\Delta\Sigma$
Display:	4000 counts max.
Range Selection:	Auto range
Over display:	"O.L." display
Polarity:	Automatic selection (only "-" is displayed)
Battery discharge:	If the battery has been consumed and the voltage display drops, the display shows.
Sampling rate:	Approx. 3 times / sec.
Accuracy assurance temperature / humidity range:	23 ± 5°C 80% RH max. No condensation.
Operating temperature / humidity range:	0 ~ 40°C 80% RH max. No condensation.
Storage temperature / humidity range:	-10 ~ 50°C 80% RH max. No condensation.
Environmental condition:	Operating altitude < 2000m, pollution degree II
Power supply:	Coin type lithium battery CR2032 (3V), 1pcs.
Power consumption:	Approx. 200 hours at DCV.
Dimension and weight:	110.5(H) x 60(W) x 11.5(D)mm approx.50g
Accessories:	Instruction manual 1, case holder 1
Safety:	IEC 1010-1(EN61010-1)
≤DC. AC 600V:	Designed to protection Class II requirement of IEC 1010-1, Pollution degree II

Measurement Range and Accuracy

Accuracy assurance range: 23 ± 5°C 80% RH max. No condensation

Function	Range	Accuracy	Input resistance	Remarks
DCV — ...	400.0mV	± (1.3% rdg + 3dgt)	Approx. 11M	
	4.000V		Approx. 11M	
	40.00V		Approx. 10M	
	400.0V			
	500V			
ACV~ 50/60Hz	4.000V	± (1.0% rdg + 10dgt)	Approx. 11M	Accuracy in the case of sine wave
	40.00V	± (2.3% rdg + 5dgt)	Approx. 10M	
	400.0V			
	500V			
	400.0	± (2.0% rdg + 5dgt)	Open voltage: Approx 0.4V The measuring current changes according to the resistance measure	
	4.000k			
	40.00k			
	400.0k	± (5.0% rdg + 5dgt)		
	4.000M			
	40.00M			± (10% rdg + 5dgt)
CAP ⊥⊥	40.00nF	± (5% rdg + 30dgt)	Accuracy was measured after cancelling display value by relative key.	
	400.0nF			
	4.000uF	± (10% rdg + 15dgt)		
	40.00uF			
	100.0uF			
Hz	5.000Hz	± (2.0% rdg + 5dgt)	Accuracy in the case of sine wav. 9.999Hz~9.999KHz: 10V rms Min. 99.99KHz: 40V rms Min.	
	50.00Hz			
	500.0Hz			
	5.000kHz			
	50.00kHz			
	500.0kHz			
	5MHz			
	10MHz			
DUTY	0.1~99%	± (2.0% rdg + 5dgt)	About input sensitivity and frequency characteristic: (Square wave DUTY 50% input) 2.5V 0 to peak input: ≥ 1KHz 6V 0 to peak input: ≥ 10KHz 40V 0 to peak input: ≥ 70KHz	
Buzzer	Buzzer sounds at less than 10~60 Open voltage: approx. 0.4V			
Diode	Open voltage: approx. 1.5V			