

# Process Multimeter

**VICTOR**<sup>®</sup>  
**YITENSEN**<sup>®</sup>



77



79A



79+

Project		77	78	79+	79A	
Measurement	DC voltage	Range	±51V	±400V	±400V	±1000V
		The highest resolution	10mV	0.01mV	0.01mV	0.01mV
		Basic accuracy	0.5%	0.2%	0.2%	0.1%
	AC voltage	Range	510V	400V	400V	750V
		The highest resolution	100mV	0.1mV	0.1mV	0.1mV
		Basic accuracy	1.5%	0.5%	0.5%	0.5%
	Resistance	Range	5kΩ	40MΩ	40MΩ	50MΩ
		The highest resolution	1Ω	0.1Ω	0.1Ω	0.1Ω
		Basic accuracy	0.5%	0.2%	0.2%	0.1%
	DC current	Range	±22mA	±400mA	±400mA	±500mA
		The highest resolution	1uA	10uA	10uA	1uA
		Basic accuracy	0.2%	0.2%	0.2%	0.1%
	AC current	Range		400mA	400mA	500mA
		The highest resolution	N/A	10uA	10uA	1uA
		Basic accuracy		0.5%	0.5%	0.5%
	Thermocouple	Range			R, S, B, E, K, J, T, N	R, S, B, E, K, J, T, N
		The highest resolution	N/A	N/A	1°C	1°C
		Basic accuracy			0.5%	0.5%
	RTD	Range			Cu50, Pt100	Cu50, Pt100
		The highest resolution	N/A	N/A	1°C	1°C
Basic accuracy				0.5%	0.5%	
CAP	Range				100.0mF	
	The highest resolution	N/A	N/A	N/A	0.01nF	
	Basic accuracy				5%	
Frequency	N/A	10Hz~100kHz	10Hz~100kHz	10Hz~100kHz		
Diode test	✓	✓	✓	✓		
Continuity beeper	✓	✓	✓	✓		
Data hold	✓	✓	✓	✓		
Relative value measurement	N/A					
Source	DC voltage	Range	N/A	-50.0mV~550.0mV -0.5000V~5.500V	-10.00mV~110.00mV -0.5000V~5.5000V	-10.00mV~110.00mV -100.0mV~1100.0mV -1.000V~11.000V
		Resolution		0.1mV, 1mV	0.01mV, 0.1mV	0.001mV, 0.01mV, 0.1mV
		Basic accuracy		0.2%	0.2%	0.2%
	Resistance	Range	N/A	N/A	0~400.0Ω	0~400.0Ω
		Resolution			0.1Ω	0.1Ω
		Basic accuracy			0.2%	0.2%
	DC current	Range	22mA	22mA	22mA	33mA
		Resolution	0.001mA	0.01mA	0.001mA	0.001mA
		Basic accuracy	0.2%	0.2%	0.2%	0.2%
	Simulating transmitter	✓	✓	✓	✓	
	25%、100%Step output	✓	✓	✓	✓	
	Automatic ramp	N/A	✓	✓	✓	
	Automatic step	N/A	✓	✓	✓	
	Display current and % of span	✓	✓	✓	✓	
	Loop power	24V	15V	15V	24V	
Frequency	N/A	1.0Hz~11.0kHz	1.0Hz~11.0kHz	1.0Hz~11.0kHz		
Thermocouple	N/A	N/A	R, S, B, E, K, J, T, N	R, S, B, E, K, J, T, N		
RTD	N/A	N/A	Cu50, Pt100	Cu50, Pt100		
Loop detection	The 24V loop power supply and Built in 250Ω	✓	N/A	N/A	✓	
Power Supply	2×1.5V AA Alkaline battery	4×1.5V AAA Alkaline battery	4×1.5V AAA Alkaline battery	4×1.5V AA Alkaline battery		
Auto Power-off	✓	✓	✓	✓		
Backlight	N/A	✓	✓	✓		
Safety	CAT IV 600V, Pollution degree 2	CAT III 600V, Pollution degree 2	CAT III 600V, Pollution degree 2	CAT. IV 600V, Pollution degree 2		
Size	180×90×52	205×95×42	205×95×42	206×97×60		
Weight	About 400g	About 500g	About 500g	about 1600g		
Accessories	Test line, manual, fuse	Test line, manual, fuse	Test line, manual, fuse	Test line, manual, fuse		
Standard Quantity Per Carton	12pcs	10pcs	10pcs	6pcs		
Standard Carton Measurement	395mm*385mm*260mm	395mm*385mm*260mm	395mm*385mm*260mm	395mm*385mm*260mm		
Standard Carton Gross Weight	9.2Kg	9.8Kg	10.2Kg	10.5Kg		