

PROCESS MULTIMETERS

Model: 78+ 79+ 79A+



Features

Model	78+	79+	79A+
Basic accuracy	0.20%	0.20%	0.05%
Low battery indication	√	√	√
Data hold	√	√	√
Auto power off	√	√	√
Temperature measurement with auto cold-compensation	√	√	√
LCD dule display with backlight	√	√	√
Built-in and selectable 250 Ω HART loop resistance	---	---	√
Provide 24V loop power supply and measure current simultaneously	√	√	√
Relative value measurement	√	√	√
Manual/auto range	√	√	√
VFC low-pass filter	√	√	---
Auto ramp	√	√	√
25% ,100% Step output	√	√	√
Auto step	√	√	√
IP65 dustproof and waterproof	√	√	√
600V CAT.IV, 1000V CAT.III	√	√	√

Measurement Specifications

Function	Range	78+	79+	79A+
DCV	60mV/600mV/6V/60V/600V/1000V	0.2%+4	0.2%+4	
	50mV/500mV/5V/50V/500V/1000V			0.05%+5
ACV	6V/60V/600V	0.5%+4	0.5%+4	
	5V/50V/500V/1000V			0.5%+4
VFC	600V	4%+10	4%+10	---
	500V			4%+60
OHM	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ	0.2%+4	0.2%+4	
	500Ω/5kΩ/50kΩ/500kΩ/5MΩ/50MΩ			0.05%+10
DCA	60mA/600mA	0.2%+4	0.2%+4	
	50mA/500mA			0.1%+5
ACA	60mA/600mA	0.5%+10	0.5%+10	
	50mA/500mA			0.15%+10
Frequency	10Hz/100Hz/1000Hz/10kHz/	0.02%+4	0.02%+4	0.02%+4
Duty cycle	10%-90%	1%	1%	1%
Diode	2V	1%+10	1%+10	1%+10
On-off test	600Ω	≤50ΩBB	≤50ΩBB	
	500Ω			≤50ΩBB
Thermocouple	R/S/B/K/E/J/T/N	---	0.5%+3	0.1%+3
RTD	Cu50/Pt100/Pt1000	---	0.5%+3	0.5%+3
CAP	10nF/100nF/1000nF/10uF/100uF/1000uF	---	---	5%+5

Output Specifications

Function	Range	78+	79+	79A+
DCV	100mV/1000mV/10V	0.2%+4	0.2%+4	0.05%+3
DCA	30mA	0.2%+4	0.2%+4	0.05%+4
Simulated transmitter	-30mA	0.2%+4	0.2%+4	0.05%+4
Loop power	24V	10%	10%	10%
OHM	400Ω	---	0.2%+4	---
	400Ω/4kΩ			0.05%+2
Thermocouple	R/S/B/K/E/J/T/N	---	0.2%+3	0.05%+1
RTD	Cu50/Pt100	---	0.2%+0.6	---
	Cu50/Pt100/Pt1000			0.05%+0.6
Frequency	100Hz/1kHz/10kHz/	0.2%+2	0.2%+2	---
	100Hz/1kHz/5kHz/10kHz/			0.05%+2

General Information

Model	78+	79+	79A+
Power supply	AAA,1.5Vx3	AAA,1.5Vx3	AAA,1.5Vx4 or DC 6V power adapter
Product color	Black+ Blue		
Product weight	550g		
Product size	185mmx90mmx54mm		206mmx97mmx60mm
Standard accessories	English manual, batteries, fuse, testing leads, testing clips, pouch (only for 79A+)		