

Analog Multitester comparative chart

Model	EM7000	CX506a	YX-361TR	SH-88TR	AU-32	AU-31	YX360TRF	
Category	CAT II 500V	CAT II 500V	-	-	-	-	CAT II 500V	
CE	●	●	-	-	-	-	●	
DCV (V)	0.3 1.2 3 12 30 120 300 1000	120m 3 12 30 120 300 1000	0.1 0.5 2.5 10 50 250 1000	120m 3 12 30 120 300 1200	250m 2.5 10 50 250 500	300m 3 12 60 300 1000	-	0.1 0.25 2.5 10 50 250 1000
ACV (V)	3 12 30 120 300 750	3 12 30 120 300 750	2.5 10 50 250 1000	3 12 30 120 300 1200	250m 2.5 10 50 250 500	300m 3 12 60 300	-	10 50 250 750
DCA (A)	0.12μ 0.3m 3m 30m 300m	30μ 0.3m 3m 30m 300m	50μ 2.5m 25m 0.25 -	50μ 3m 30m 0.3 -	250μ 2.5m 25m 250m 2.5	300m 3 -	50μ 2.5m	-
ACA (A)	6 - - - -	- - - - -	- - - - -	- - - - -	250μ 2.5m 25m 250m 2.5	300m 3 -	-	-
Resistance (Ω)	2k 20k 200k 2M 20M 200M	5k 50k 500k 5M 50M	2k 20k 200k 2M 20M	3k 30k 300k 3M 30M	20k 200k 2M 20M 200M	20k 200k 2M 20M 200M	2k 20k 200k 2M	-
Capacitance (F)	- - -	0.2μ 20μ 2000μ	- - -	1000μ 0.01 0.1	- - -	- - -	10μ	-
Auto range	-	-	-	-	●	●	-	
Low frequency output measurement	●	-	●	●	●	●	●	
Continuity	-	-	LED	LED	-	-	-	
Battery check	-	-	1.5V	-	-	-	-	
Auto polarity	-	-	-	-	●	●	-	
Meter structure	BAND	BAND	BAND*	PIVOT	PIVOT	PIVOT	BAND	
Drop shock proof meter	-	-	-	-	-	-	●	
Zero center meter	●	-	●	●	-	-	●	
Temperature measurement	-	-	-	-	-	-	-	
Protection circuit for power line	-	-	-	-	-	-	-	
hFE	-	●	○	○	-	-	○	
Dimension (H) mm	165	165	150	150	48	48	159.50	
Dimension (W) mm	106	106	100	100	110	110	129	
Dimension (D) mm	46	46	37	36	124	124	41.50	
Weight (g)	375	370	290	280	290	290	320	

○ Optional accessory is necessary.
* Serial Number ≥ 6064916

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Model	SP21	SP20	SP-18D	TA55	CP-7D	AP33	VS-100
Category	CAT II 500V	-	-	-	-	CAT II 500V	-
CE	●	-	-	-	-	●	-
DCV (V)	0.3 3 12 30 120 600	0.25 2.5 5 10 50 100 500	0.3 3 12 30 120 600	0.3 3 16 30 60	0.25 2.5 10 50 250	10 50 250 500	10 50 250
ACV (V)	12 30 120 300 600	10 50 250 500	12 30 120 300 600	30 120 300	10 50 250 500	50 250 500	10 50 500
DCA (A)	60μ 30m 0.3	50μ 2.5m 25m	60μ 30m 300m	0.5 3 30	0.25m 25m 500m	25m 250m	-
ACA (A)	-	-	-	-	-	-	-
Resistance (Ω)	-2k 20k 2M	2k 20k 200k 2M	2k 20k 200k 2M	2k 20k 200k 2M	2k 20k 1M	5k 500k	2k 20k 2M
Capacitance (F)	500μ	500μ	1000μ	-	-	-	-
Auto range	-	-	-	-	-	-	-
Low frequency output measurement	-	-	-	-	●	-	-
Continuity	BUZZER	-	-	BUZZER	-	-	-
Battery check	1.5V	1.5V	1.5V	12V	1.5V	1.5V/9V	-
Auto polarity	-	-	-	-	-	-	-
Meter structure	BAND	BAND	BAND	BAND	PIVOT	PIVOT	PIVOT
Drop shock proof meter	●	●	●	●	-	-	-
Zero center meter	●	-	-	-	-	-	-
Temperature measurement	-	○	-	-	-	-	-
Protection circuit for power line	-	-	-	-	-	-	●
hFE	-	-	-	-	-	-	-
Dimension (H) mm	144	144	159.5	142	119	126	144
Dimension (W) mm	99	99	129	97	85	87	96
Dimension (D) mm	41	41	41.5	38	23	30	56
Weight (g)	270	270	320	300	140	185	400

○ Optional accessory is necessary.