

Auto ranging multimeters



ST9929



ST9919



ST9927T



ST9917

Range of reliable and robust automatic multimeters.
Sturdy ABS housing, protected by a shock resistant soft moulded holster, waterproof (IP67)

- Peak hold function. Min et Max (except ST9917)
- Relative measurements
- Bargraph (except ST9917)
- Hold (ST9929)
- Data recording, max 200s (ST9929)
- Auto power-off after 15min

REF.	ST9929	ST9919	ST9927T	ST9917
Display	40.000 points		6.000 points	4.000 points
Converter	TRMS AC+DC	TRMS AC	TRMS AC	-
Bandwidth	40Hz to 10kHz	40Hz to 1kHz	40Hz to 1kHz	-
VDC accuracy	400mV to 1000V 0,06% + 4dgt		600mV to 1000V 0,09% + 2dgt	400mV to 1000V 1,2% + 2dgt
VAC accuracy	400mV to 1000V RMS 1% + 30dgt - 5% + 30dgt from 1kHz to 10kHz		6 to 1000V TRMS 1 to 2% +3dgt	400mV to 1000V 1,5% + 3dgt
IDC accuracy	400µA to 10A 1% + 3dgt		600µA to 10A 1% + 3dgt	400µA to 10A 1,5% + 3dgt
IAC accuracy	400µA to 10A RMS 1,5% + 30dgt - 5% + 30dgt from 1kHz to 10kHz		600µA to 10A TRMS 1,5% +3dgt	400µA to 10A 1,8% + 5dgt
OHM accuracy	400Ω to 40MΩ 0,3% +4 to 9dgt		600Ω to 60MΩ 0,3% + 4dgt	400Ω to 40MΩ 1,2% + 2dgt
Farad accuracy	40nF to 40mF 3,5% +10 to 40dgt		60nF to 1000µF 3,5% + 4dgt	4nF to 200µF 3% + 5dgt
Frequency accuracy	40Hz to 10MHz 0,50%		10Hz to 40MHz 0,1% + 1dgt	10Hz to 40MHz 1,2% + 3dgt
Diode test	Test 0,9mA - 2,8V			Test 0,3mA - 1,5V
Capacitance	Ring for R < 35Ω		Ring for R < 100Ω	Ring for R < 150Ω
Duty accuracy	0,1% to 99,9% 1,2% + 2dgt		0,1% to 99,9% 1,2% + 2dgt	0,1% to 99,9% 1,2% + 2dgt
°C (type K) accuracy	-50 to 1000°C 1% + 2,5°C		-45 to 750°C 3% + 5°C	-20 to 760°C 3% + 5°C
4 - 20mA	4mA~0% ; 20mA~100%		-	-
Ranging	Auto & Manual			
Protection	CAT III 1000V Pol 2	CAT III 1000V Pol 2	CAT III 1000V Pol 2	CAT III 1000V Pol 2
Power source	1 battery 9V type 6LR61			
Dimensions / Weight	182 x 82 x 55mm / 430g		182 x 82 x 55mm / 375g	
Supplied with	Test leads, thermocouple, carrying case, battery, user's manual.			

Input impedance as voltmeter: 10MΩ