

Multimeter

Model	5 XP-A	15 XP-B	35 XP-A	30 XR-A	33 XR-A	34 XR-A	37 XR-A	38 XR-A	LCR 55A
									
Display max. reading	3½-digit, 1999 Digits	3½-digit, 1999 Digits	3¾-digit, 3999 Digits	3½-digit, 1999 Digits	3¾-digit, 3999 Digits	3¾-digit, 3999 Digits	4-digit, 9999 Digits	4-digit, 9999 Digits	3½-digit, 1999 Digits
True RMS measurement						AC	AC	(AC+DC)	
Bargraph					•	•	•	•	
AC voltage	0.1 mV...750 V	0.1 mV...750 V	0.1 mV...750 V	0.1 mV... 600 V	0.1 mV... 750 V	0.1 mV... 750 V	0.1 mV... 750 V	0.1 mV... 750 V	
Basic accuracy*	(1.5% + 5 D)	(1.5% + 5 D)	(1.5% + 5 D)	(1.5 %+4D)	(1.5 %+4D)	(1.2 %+8D)	(1.2%+10 D)	(1.2% + 10 D)	
Frequency range	45...500 Hz	45...500 Hz	45...500 Hz	45 Hz...500 Hz	45 Hz...500 Hz	45 Hz...2 kHz	45 Hz...2 kHz	45 Hz...2 kHz	
DC voltage	0.1 mV...1000 V	0.1 mV...1000 V	0.1 mV...1000 V	0.1 mV... 600 V	0.1 mV... 1000 V	0.1 mV... 1000 V	0.1 mV... 1000 V	0.1 mV... 1000 V	
Basic accuracy*	(1% + 1 D)	(0.5% + 1 D)	(0.5% + 1 D)	(1%+1D)	(0.7%+1D)	(0.5%+1D)	(0.1%+5 D)	(0.25% + 5 D)	
AC current	0.1 µA...200 mA	1 µA...2 A	0.1 µA...2 A	1 µA...10 A	1 µA...10 A	0.1 µA...10 A	0.01 µA... 10 A	0.1 µA... 10 A	
Basic accuracy*	(2% + 5 D)	(1.5% + 5 D)	(1.5% + 5 D)	(2%+4D)	(1.5%+4D)	(1.5%+8D)	(1.5%+10 D)	(1.5%+20 D)	
Frequency range	45...500 Hz	45...500 Hz	45...500 Hz	45 Hz...500Hz	45 Hz...500Hz	45 Hz...1 kHz	45 Hz...1 kHz	45 Hz...1 kHz	
DC current	0.1 µA...200 mA	1 µA...2 A	0.1 µA...2 A	0.1 µA...10 A	0.1 µA...10 A	0.1 µA...10 A	0.01 µA... 10 A	0.1 µA... 10 A	
Basic accuracy*	(1.5% + 5 D)	(1.2% + 3 D)	(1.0% + 2 D)	(2.0% + 3 D)	(1%+1D)	(1%+1D)	(0.5%+10 D)	(0.5%+10 D)	
Resistance	0.1 Ω...20 MΩ	0.1 Ω...2000 MΩ	0.1 Ω...40 MΩ	0.1Ω...20 MΩ	0.1Ω...4 MΩ	0.1Ω...40 MΩ	0.1Ω...40 MΩ	0.1 Ω...40 MΩ	0.01Ω...20 MΩ
Diode and continuity test	•	•	•	•	•	•	•	•	•
Capacitance			4.000 nF...4.000 mF		4.000 nF... 4.000 mF	4.000 nF... 4.000 mF	0.01 nF... 400,0 µF	0.01 nF... 400,0 µF	1 pF... 2000 µF
Frequency			10.00 Hz...1 MHz		10.00 Hz...1 MHz	10.00 Hz...1 MHz	3.00Hz...10MHz	3.00 Hz...10MHz	
Temperature			-20...1000 °C		-20...1000 °C	-20...1000 °C		-20...1300 °C	
Automatic		•	•			•	•	•	
Manual	•	•	•	•	•	•	•	•	•
Data Hold	•	•	•	•	•	•	•	•	•
Min/Max value memory	•			•	•	•	•	•	•
Peak Hold					•	•	•	•	
Relative value display					•	•	•	•	
Data logger/interface								- / RS-232	
Auto-Power-Off		•	•		•	•	•	•	•
Battery	1 x 9 V	1 x 9 V	1 x 9 V	1 x 9 V	1 x 9 V	1 x 9 V	1 x 9 V	1 x 9 V	1 x 9 V
Measuring circuit category	CAT III/300 V, CAT II/600 V	CAT III/600 V, CAT II/1000 V	CAT III/300 V, CAT II/600 V	CAT III/300 V, CAT II/600 V	CAT III/600 V, CAT II/1000 V	CAT III/600 V, CAT II/1000 V	CAT III/600V, CAT II/1000V	CAT IV/600V, CAT III/1000V	
Special features	Non-contact voltage detection (NCV), Batterytest 1,5 V/9 V, Magnetic holder (MagneGrip™)	Logic test function (TTL), Non-contact voltage detection (NCV), Magnetic holder (MagneGrip™)	Non-contact voltage detection (NCV), Magnetic holder (MagneGrip™)	Non-contact voltage detection Battery test 1.5 V/9 V Magnetic holder (MagneGrip™)	Magnetic holder (MagneGrip™)	Backlight, Duty cycle function Magnetic holder (MagneGrip™)	Inductance measurement Audible warning signal in case of wrong jack assignment Logic test Magnetic holder (MagneGrip™) Backlight	Current loop measurement (4...20 mA), Software available as an option Magnetic holder (MagneGrip™) Backlight	Measurement of inductance (1 µH...200 H) Transistor test Diode test

* Basic accuracy refers to the best accuracy in the respective function

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