

# Digital Multimeters



72-2605



72-10405



72-2610



72-10410



72-10415



# Digital Multimeters



## Features

- LCD backlight
- Analog Bar Graph
- Manual Function Select & Auto Ranging
- Auto Power Off
- Low Battery Indication:  $\leq 7.5V$
- Diode Test
- Continuity Buzzer
- MAX / MIN / Relative Modes
- Data Hold
- Duty Cycle: 0.1% ~ 99.9%
- Input Protection
- Input Impedance for DC Voltage: 10M $\Omega$

## General Characteristics

Safety Rating : CAT III 1000V, CAT IV 600V  
 Power : 9V Battery (6F22)  
 LCD Size : 65mm  $\times$  43mm  
 Colour : Orange and Grey  
 Weight : 370g  
 Dimension (H  $\times$  W  $\times$  L) : 180mm  $\times$  87mm  $\times$  47mm

## Electrical Specifications

Parameters	72-2605	72-10405	72-2610	72-10410	72-10415
DC Voltage (V)	400mV/4V/40V/400V/1000V $\pm(0.5\% + 1 \text{ digit})$	40mV/400mV/4V/40V/400V/1000V $\pm(0.5\% + 1 \text{ digit})$	60mV/600mV/6V/60V/600V/1000V $\pm(0.5\% + 1 \text{ digit})$		220mV/2.2V/22V/220V/1000V $\pm(0.1\% + 2 \text{ digits})$
AC Voltage (V)	400mV/4V/40V/400V/ 750V $\pm(1\% + 3 \text{ digits})$	40mV/400mV/4V/40V/400V/750V $\pm(1\% + 3 \text{ digits})$	60mV/600mV/6V/60V/600V/750V $\pm(1\% + 3 \text{ digits})$		220mV/2.2V/22V/220V/750V $\pm(0.8\% + 10 \text{ digits})$
DC Current (A)	400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A $\pm(1\% + 2 \text{ digits})$		600 $\mu$ A/6000 $\mu$ A/60mA/600mA/6A/10A $\pm(1\% + 3 \text{ digits})$		200 $\mu$ A/2200 $\mu$ A/22mA/220mA/ 2.2A/10A $\pm(0.5\% + 10 \text{ digits})$
AC Current (A)	400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A $\pm(1.2\% + 5 \text{ digits})$		600 $\mu$ A/6000 $\mu$ A/60mA/600mA/6A/10A $\pm(1.2\% + 5 \text{ digits})$		200 $\mu$ A/2200 $\mu$ A/22mA/220mA/ 2.2A/10A $\pm(0.8\% + 10 \text{ digits})$
Resistance ( $\Omega$ )	400 $\Omega$ /4k $\Omega$ /40k $\Omega$ /400k $\Omega$ /4M $\Omega$ /40M $\Omega$ $\pm(1\% + 2 \text{ digits})$		600 $\Omega$ /6k $\Omega$ /60k $\Omega$ /600k $\Omega$ /6M $\Omega$ /60M $\Omega$ $\pm(1\% + 2 \text{ digits})$		220 $\Omega$ /2.2k $\Omega$ /22k $\Omega$ /220k $\Omega$ /2.2M $\Omega$ / 22M $\Omega$ $\pm(0.5\% + 10 \text{ digits})$
Capacitance (F)	40nF/400nF/4 $\mu$ F/40 $\mu$ F/400 $\mu$ F/4000 $\mu$ F $\pm(3\% + 5 \text{ digits})$		40nF/400nF/4 $\mu$ F/40 $\mu$ F/400 $\mu$ F/4000 $\mu$ F $\pm(3\% + 5 \text{ digits})$		22nF/220nF/2.2 $\mu$ F/22 $\mu$ F/220 $\mu$ F/2.2mF/ 22mF/220mF $\pm(3\% + 5 \text{ digits})$
Frequency (Hz)	10Hz to 10MHz $\pm(0.1\% + 4 \text{ digits})$	10Hz to 10MHz $\pm(0.1\% + 4 \text{ digits})$	10Hz to 10MHz $\pm(0.1\% + 4 \text{ digits})$	10Hz to 10MHz $\pm(0.1\% + 4 \text{ digits})$	10Hz to 220MHz $\pm(0.01\% + 5 \text{ digits})$
Temperature ( $^{\circ}$ C)	-	-40 $^{\circ}$ C to 1000 $^{\circ}$ C $\pm(1.2\% + 3 \text{ digits})$	-40 $^{\circ}$ C to 1000 $^{\circ}$ C $\pm(1.2\% + 3 \text{ digits})$	-	-
Temperature ( $^{\circ}$ F)	-	-40 $^{\circ}$ F to 1832 $^{\circ}$ F $\pm(1.2\% + 4 \text{ digits})$	-40 $^{\circ}$ F to 1832 $^{\circ}$ F $\pm(1.2\% + 4 \text{ digits})$	-	-
Display Count	4000	4000	6000	6000	22000
True RMS	-	-	-	Yes	Yes
Bandwidth (Hz)	45Hz - 400Hz	45Hz - 400Hz	45Hz - 1kHz	45Hz - 3kHz	45Hz - 10kHz
Transistor	Yes	-	-	-	-
NCV	Yes	-	-	-	-
Peak Value	-	-	-	-	Yes
RS232	-	Yes	Yes	Yes	Yes
Analog Bar Graph	41 Segments	41 Segments	61 Segments	61 Segments	46 Segments
Standard Accessories	Battery, Test Lead, Multi-Purpose Socket, Instruction Manual	Battery, Test Lead, Multi-Purpose Socket, RS-232 Interface Cable, Software, Point Contact Temperature Probe, Instruction Manual		Battery, Test Lead, Multi-Purpose Socket, RS-232 Interface Cable, Software, Instruction Manual	

www.element14.com  
 www.farnell.com  
 www.newark.com  
 www.cpc.co.uk



# Digital Multimeters



## Part Number Table

Description	Part Number
Digital Multimeter, Handheld	72-2605
Digital Multimeter, Handheld	72-10405
Digital Multimeter, Handheld	72-2610
True RMS Digital Multimeter, Handheld	72-10410
True RMS Digital Multimeter, Handheld	72-10415

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