

Digital Multimeters



72-10410



72-2605



72-10405



72-2610



72-10410

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



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 Ω

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 μ A/4000 μ A/40mA/400mA/4A/10A $\pm(1\% + 2 \text{ digits})$ | | 600 μ A/6000 μ A/60mA/600mA/6A/10A $\pm(1\% + 3 \text{ digits})$ | | 200 μ A/2200 μ A/22mA/220mA/ 10A $\pm(0.5\% + 10 \text{ digits})$ |
| AC Current (A) | 400 μ A/4000 μ A/40mA/400mA/4A/10A $\pm(1.2\% + 5 \text{ digits})$ | | 600 μ A/6000 μ A/60mA/600mA/6A/10A $\pm(1.2\% + 5 \text{ digits})$ | | 200 μ A/2200 μ A/22mA/220mA/ 10A $\pm(0.8\% + 10 \text{ digits})$ |
| Resistance (Ω) | 400 Ω /4k Ω /40k Ω /400k Ω /4M Ω /40M Ω $\pm(1\% + 2 \text{ digits})$ | | 600 Ω /6k Ω /60k Ω /600k Ω /6M Ω /60M Ω $\pm(1\% + 2 \text{ digits})$ | | 220 Ω /2.2k Ω /22k Ω /220k Ω /2.2M Ω / 22M Ω $\pm(0.5\% + 10 \text{ digits})$ |
| Capacitance (F) | 40nF/400nF/4 μ F/40 μ F/400 μ F/4000 μ F $\pm(3\% + 5 \text{ digits})$ | | 40nF/400nF/4 μ F/40 μ F/400 μ F/4000 μ F $\pm(3\% + 5 \text{ digits})$ | | 22nF/220nF/2.2 μ F/22 μ F/220 μ 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 | |

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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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Digital Multimeters



72-2605



72-10405



72-2610



72-10410



72-10415

