Digital Multimeters
Model: 9801A +9804 A $+9806+9807$ A $+9808+980+$


Features

| Model | 9801A+ | 9804A+ | 9806+ | 9807A+ | 9808+ | 980+ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Diode/ Continuity buzzer | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| Transistor test | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| Live wire test | $\checkmark$ | $\checkmark$ | --- | --- | --- | --- |
| Low battery indication | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| True RMS | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| Data hold | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| Auto power off | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| Backlight display | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| Max./Min. value | --- | --- | --- | --- | $\checkmark$ | --- |
| Square wave output | --- | --- | --- | --- | --- | $\checkmark$ |
| Er electrode measurement | --- | --- | $\checkmark$ | $\checkmark$ | --- | --- |
| Flashlight light | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| NCV | $\checkmark$ | $\checkmark$ | --- | --- | --- | --- |
| Relative value measurement | $\checkmark$ | $\checkmark$ | --- | --- | $\checkmark$ | --- |
| Input impedance | $10 \mathrm{M} \Omega$ | $10 \mathrm{M} \Omega$ | $10 \mathrm{M} \Omega$ | $10 \mathrm{M} \Omega$ | $10 \mathrm{M} \Omega$ | $10 \mathrm{M} \Omega$ |
| Sampling rate | 3 times/s | 3 times/s | 3 times/s | 3 times/s | 3 times/s | 3 times/s |
| AC Frequency response | (40~1k) Hz | (40~1k) Hz | (40~1k) Hz | (40~1k) Hz | (40~1k) Hz | (40~1k) Hz |
| Operation way | Manual range | Manual range | Manual range | Manual range | Manual range | Manual range |
| Max. display | 1999 | 1999 | 19999 | 19999 | 1999 | 19999 |
| LCD Size | $70 \times 50 \mathrm{~mm}$ | $70 \times 50 \mathrm{~mm}$ | 70*50mm | $70 \times 50 \mathrm{~mm}$ | $70 \times 50 \mathrm{~mm}$ | 70*50mm |

DIGITAL MULTIMETER
Specifications

| Model | Range | 9801A+ | 9804A+ | 9806+ | 9807A+ | 9808+ | 980+ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DC V | 200mV/2V/20V/200V/1000V | $\pm(0.5 \%+3)$ | $\pm(0.5 \%+3)$ | $\pm(0.05 \%+5)$ | $\pm(0.1 \%+5)$ | $\pm(0.5 \%+3)$ | $\pm(0.05 \%+5)$ |
| AC V | $2 \mathrm{~V} / 20 \mathrm{~V} / 200 \mathrm{~V} / 1000 \mathrm{~V}$ | $\pm(0.8 \%+5)$ | $\pm(0.8 \%+5)$ | --- |  |  |  |
|  | $200 \mathrm{mV} / 2 \mathrm{~V} / 20 \mathrm{~V} / 200 \mathrm{~V} / 750 \mathrm{~V}$ | --- | --- | $\pm(0.8 \%+25)$ | $\pm(0.8 \%+2)$ | $\pm(0.8 \%+5)$ | $\pm(0.8 \%+25)$ |
| DC A | 200uA/2mA/20mA/200mA/2A/20A | $\pm(1.2 \%+8)$ | --- | --- | --- | --- | --- |
|  | $200 \mathrm{uA} / 2 \mathrm{~mA} / 20 \mathrm{~mA} / 200 \mathrm{~mA} / 20 \mathrm{~A}$ | -- | $\pm(1.2 \%+8)$ | --- | --- | $\pm(1.2 \%+8)$ | --- |
|  | $200 \mathrm{uA} / 2000 \mathrm{uA} / 20 \mathrm{~mA} / 200 \mathrm{~mA} / 20 \mathrm{~A}$ | --- | --- | $\pm(0.5 \%+4)$ | $\pm(0.5 \%+4)$ | --- | --- |
|  | 200uA/2000uA/20mA/200mA/2A/20A | --- | --- | --- | --- | --- | $\pm(0.5 \%+4)$ |
| AC A | 200mA/2A/20A | $\pm(1.5 \%+15)$ | --- | --- | --- | --- | --- |
|  | $200 \mathrm{~mA} / 20 \mathrm{~A}$ | --- | $\pm(1.5 \%+15)$ | --- | --- | --- | $\pm(1.5 \%+15)$ |
|  | $20 \mathrm{~mA} / 200 \mathrm{~mA} / 20 \mathrm{~A}$ | --- | --- | $\pm(1.5 \%+15)$ | $\pm(1.5 \%+15)$ | --- | --- |
|  | $200 \mathrm{uA} / 2 \mathrm{~mA} / 20 \mathrm{~mA} / 200 \mathrm{~mA} / 20 \mathrm{~A}$ | --- | --- |  | --- | $\pm(1.5 \%+15)$ | --- |
| Resistance | $200 \Omega / 2 \mathrm{k} \Omega / 20 \mathrm{k} \Omega / 200 \mathrm{k} \Omega / 2 \mathrm{M} \Omega / 20 \mathrm{M} \Omega$ /200M $\Omega$ | $\pm(0.8 \%+3)$ | $\pm(0.8 \%+3)$ | $\pm(0.4 \%+5)$ | $\pm(0.4 \%+5)$ | $\pm(0.8 \%+3)$ | $\pm(0.4 \%+5)$ |
| Capacitance | 6nF/60nF/600nF/6uF/60uF/600uF/6mF $/ 20 \mathrm{mF}$ | $\pm(3.5 \%+20)$ | $\pm(3.5 \%+20)$ |  |  |  | --- |
|  | 20nF/200nF/2uF/20uF/200uF/2mF | --- | --- | $\pm(4.0 \%+50)$ | $\pm(4.0 \%+50)$ | $\pm(3.5 \%+20)$ | $\pm(4.0 \%+50)$ |
| Frequency | $10 \mathrm{~Hz} / 100 \mathrm{~Hz} / 1 \mathrm{KHz} / 10 \mathrm{KHz} / 100 \mathrm{KHz} / 1 \mathrm{M}$ $\mathrm{Hz} / 20 \mathrm{MHz}$ | --- | $\pm(1.0 \%+10)$ |  |  | $\pm(1.0 \%+10)$ |  |
|  | $200 \mathrm{~Hz} / 2 \mathrm{KHz} / 20 \mathrm{KHz} / 200 \mathrm{KHz} / 2 \mathrm{MHz}$ | --- | --- | $\pm(0.1 \%+3)$ | $\pm(0.1 \%+3)$ | --- | $\pm(0.1 \%+3)$ |
| Temperature | $-20 \sim 1000^{\circ} \mathrm{C} /(-4-1832)^{\circ} \mathrm{F}$ | --- | $\pm(1.0 \%+5)$ | -- | --- | $\pm(1.0 \%+5)$ | --- |
| Inductance | $2 \mathrm{mH} / 20 \mathrm{mH} / 200 \mathrm{mH} / 2 \mathrm{H} / 20 \mathrm{H}$ | --- | -- | -- | --- | $\pm(2.5 \%+30)$ | --- |
| Conductivity | 0.1-100ns | --- | --- | $\pm(1.0 \%+30)$ | $\pm(1.0 \%+30)$ | --- | --- |

## General Information

| Model | 9801A+ | 9804A+ | 9806+ | 9807A+ | 9808+ | 980+ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Power supply | 1.5V, AAA*2 |  |  |  |  |  |
| Product color | Black+ orange |  |  |  |  |  |
| Product weight | 395g |  |  |  |  |  |
| Product size | $186 \times 92 \times 52 \mathrm{~mm}$ |  |  |  |  |  |
| Standard accessories | Test leads, batteries, manual, temperature probe (for 9804A,$+ 9808+$ ) |  |  |  |  |  |



