

ORDER CODE HR000010 | HR000003 | HR000002 | HR000001 | HR000004

HT64 | HT63 | HT62 | HT61 | HT60



SERIES OF TRMS / CAT IV PROFESSIONAL DIGITAL MULTIMETERS WITH DATA LOGGER FUNCTIONS (HT64)

The new series of HT professional multimeters is the result of an important research conducted at the most demanding users of this kind of equipment, namely laboratories where the choice of a measuring instrument is subject to strict tests concerning **precision, reliability and safety of measurements even in extreme conditions.**

Therefore, a complete range multimeters, all able to measure in **TRMS**, all within **CAT IV 600V**, **aurorange** function available on all models, with backlight display.

The design is extremely modern and attractive, but also **ergonomic**, to ensure **maximum ease of use. Display with high resolution**, even in **color version**, for the premium model HT64.

In the summary table you can find all the features that make this innovative set of professional instruments unique and valuable.

Functions

| | HT64 | HT63 | HT62 | HT61 | HT60 |
|----------------------------|---------|-----------|-----------|-----------|------|
| TRMS Measurements | • | • | • | • | • |
| Color display | • | - | - | - | - |
| AC/DC Voltage | • AC+DC | • | • | • | • |
| AC/DC Current | • | • | • | • | - |
| Resistance/Continuity Test | • | • | • | • | • |
| Frequency | • | • | • | • | • |
| Capacity | • | • | • | • | • |
| Duty cycle | • | • | • | • | • |
| Diode test | • | • | • | • | • |
| Temperature probe type K | • | • | • | - | • |
| Reading 4-20mA% | • | • | - | - | - |
| Data HOLD | • | • | • | • | • |
| MAX/MIN/AVG | • | • Max/Min | • Max/Min | • Max/Min | - |
| PEAK | • 1ms | • 1ms | - | - | - |
| Relative Measurement | • | • | • | • | • |
| Autorange | • | • | • | • | • |
| Backlight | • | • | • | • | • |
| Bargraph | • | • | • | • | - |
| Data loggers and graph | • | - | - | - | - |
| Internal memory | • | - | - | - | - |
| Auto Power OFF | • | • | • | • | • |

Main features

- Display:** 4 digit LCD, 4000 pixels (**HT60**)
4½ digit LCD, 6000 pixels (**HT61, HT62**)
4½ digit LCD, 60000 pixels (**HT63**)
Color 4 4½ digit TFT, 6000 pixels (**HT64**)
- Power supply:** 1x9v battery type 6F22 (**HT60, HT61, HT62**)
4x1.5 V batteries type AAA LR03 (**HT63**)
1x7.4V rechargeable Li-ION battery (**HT64**)
- Auto Power OFF:** after 30 minutes of non-use (**HT60**)
after 15 minutes of non-use (**HT61, HT62, HT63**)
5min ÷ 60 min of non-use (**HT64**)
- Safety:** IEC/EN61010-1
- Measurement category:** CAT IV 600V – CAT III 1000V
- Level of pollution:** 2
- Max operating altitude:** 2000m
- Dimensions (LxWxH):** 175x85x55mm
- Weight (batteries included):** about 400 g

Supplied accessories

- KIT4000A** Pair of test leads
- TK101** Type K wire probe (**HT60, HT62, HT63, HT64**)
- T10** Type K Probe adapter
- A64** Power supply + adapter (**HT64**)
- Batteries, user manual and transport bag

Technical specifications

| | HT64 | HT63 | HT62 | HT61 | HT60 |
|---------------------------------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------------------|
| DC Voltage | | | | | |
| Reading range: | 0.1mV ÷ 1000V | 0.1mV ÷ 1000V | 0.1mV ÷ 1000V | 0.1mV ÷ 1000V | 1mV ÷ 600V |
| Standard accuracy: | ± (0.1%reading + 5digits) | ± (0.9%reading + 5digits) | ± (1.0%reading + 2digits) | ± (1.0%reading + 2digits) | ± (1.2%reading + 2digits) |
| AC Voltage | | | | | |
| Reading range: | 0.1mV ÷ 1000V | 0.1mV ÷ 1000V | 1mV ÷ 1000V | 1mV ÷ 1000V | 1mV ÷ 600V |
| Standard accuracy: | ± (0.9%reading + 5digits) | ± (1.0%reading + 5digits) | ± (1.0%reading + 8digits) | ± (1.0%reading + 8digits) | ± (1.2%reading + 4digits) |
| DC Current | | | | | |
| Reading range: | 0.1µA ÷ 10A | 0.1µA ÷ 10A | 0.1µA ÷ 10A | 0.1µA ÷ 10A | - |
| Standard accuracy: | ± (0.9%reading + 5digits) | ± (1.5%reading + 5digits) | ± (1.0%reading + 3digits) | ± (1.0%reading + 3digits) | - |
| AC Current | | | | | |
| Reading range: | 0.1µA ÷ 10A | 0.1µA ÷ 10A | 0.1µA ÷ 10A | 0.1µA ÷ 10A | - |
| Standard accuracy: | ± (1.2%reading + 5digits) | ± (2.5%reading + 5digits) | ± (1.5%reading + 3digits) | ± (1.5%reading + 3digits) | - |
| Resistance and continuity test | | | | | |
| Reading range: | 0.1Ω ÷ 60MΩ | 0.1Ω ÷ 60MΩ | 0.1Ω ÷ 60MΩ | 0.1Ω ÷ 60MΩ | 0.1Ω ÷ 40MΩ |
| Standard accuracy: | ± (0.8%reading + 5digits) | ± (1.2%reading + 5digits) | ± (1.0%reading + 4digits) | ± (1.0%reading + 4digits) | ± (1.0%reading + 2digits) |
| Buzzer: | <25Ω | <35Ω | <100Ω | <100Ω | <30Ω |
| Frequency | | | | | |
| Reading range: | 0.001Hz ÷ 1MHz | 0.001Hz ÷ 1MHz | 0.001Hz ÷ 1MHz | 0.001Hz ÷ 1MHz | 0.001Hz ÷ 10MHz |
| Standard accuracy: | ± (0.09%reading + 5digits) | ± (1.0%reading + 2digits) | ± (0.1%reading + 1digit) | ± (0.1%reading + 2digits) | ± (1.2%reading + 3digits) |
| Capacity | | | | | |
| Reading range: | 0.01nF ÷ 6mF | 0.01nF ÷ 6mF | 0.01nF ÷ 100µF | - | 0.01nF ÷ 100µF |
| Standard accuracy: | ± (1.2%reading + 8digits) | ± (2.5%reading + 10digits) | ± (3.5%reading + 4digits) | - | ± (3.0%reading + 5digits) |
| Duty Cycle | | | | | |
| Reading range: | 0.1% ÷ 99.9% | 20% ÷ 80% | 0.1% ÷ 99.9% | 0.1% ÷ 99.9% | 0.5% ÷ 99.9% |
| Standard accuracy: | ± (1.2%reading + 2digits) | ± (1.0%reading + 5digits) | ± (1.2%reading + 2digits) | ± (1.2%reading + 2digits) | ± (1.2%reading + 2digits) |
| Temperature probe type K | | | | | |
| Reading range: | -40°C ÷ 1350°C | 0.1% ÷ 99.9% | -45°C ÷ 750°C | - | -20°C ÷ 760°C |
| Standard accuracy: | ± (1.0% reading + 3°C) | ± (2.0% reading + 3°C) | ± (3.5% reading + 5°C) | - | ± (3.0% reading + 5°C) |