



CAT IV 600V LoZ TRMS 1500VDC

ORDER CODE HR000010 | HR000001 | HR000002 | HR000003 | HR000065

# HT65 | HT64 | HT63 | HT62 | HT61

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**, **autorange** 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**. **HT65 stands out among these, unique thanks to its ability to measure DC voltage up to 1500V.** In the summary table you can find all the features that make this innovative set of professional instruments unique and valuable.

## Functions

	HT65	HT64	HT63	HT62	HT61
TRMS Measurements	•	•	•	•	•
Color display	-	•	-	-	-
AC/DC Voltage	•	• AC+DC	•	•	•
AC/DC Current	-	•	•	•	-
AC/DC Current with external transducer	•	•	•	-	-
LoZ voltage measurement	•	•	•	•	•
Resistance/Continuity Test	•	•	•	•	•
Frequency	•	•	•	•	•
Capacitance	•	•	•	•	-
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 (**HT65**)  
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 (**HT65, HT61, HT62**)  
4x1.5 V batteries type AAA LR03 (**HT63**)  
1x7.4V rechargeable LI-ION battery (**HT64**)
- Auto Power Off:** after 15 minutes of non-use (**HT65, 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

## Included accessories

- 4324-2** Pair of test leads with 2/4mm tip
- TK101** Type K wire probe
- T10** Type K Probe adapter
- A64** Power supply + adapter (**HT64**)
- Calibration certificate ISO 9000
- Batteries, user manual and transport bag

## Technical specifications

	HT65	HT64	HT63	HT62	HT61
<b>DC Voltage</b>					
Reading range:	0.1mV ÷ 1500V	0.1mV ÷ 1000V	0.1mV ÷ 1000V	0.1mV ÷ 1000V	0.1mV ÷ 1000V
Standard accuracy:	±(1.2%reading+4digits)	±(0.1%reading+5digits)	±(0.9%reading+5digits)	±(1.0%reading+2digits)	±(1.0%reading+2digits)
<b>AC Voltage</b>					
Reading range:	1mV ÷ 1000V	0.1mV ÷ 1000V	0.1mV ÷ 1000V	1mV ÷ 1000V	1mV ÷ 1000V
Standard accuracy:	±(1.2%reading+10digits)	±(0.9%reading+5digits)	±(1.0%reading+5digits)	±(1.0%reading+8digits)	±(1.0%reading+8digits)
<b>DC Current</b>					
Reading range:	1A ÷ 1000A (with clamp)	0.1µA ÷ 10A	0.1µA ÷ 10A	0.1µA ÷ 10A	-
Standard accuracy:	±(1.5%reading+6digits)	±(0.9%reading+5digits)	±(1.5%reading+5digits)	±(1.0%reading+3digits)	-
<b>AC Current</b>					
Reading range:	0.30A ÷ 3000A (with clamp)	0.1µA ÷ 10A	0.1µA ÷ 10A	0.1µA ÷ 10A	-
Standard accuracy:	±(2.5%reading+10digits)	±(1.2%reading+5digits)	±(2.5%reading+5digits)	±(1.5%reading+3digits)	-
<b>Resistance and continuity test</b>					
Reading range:	0.1Ω ÷ 40MΩ	0.1Ω ÷ 60MΩ	0.1Ω ÷ 60MΩ	0.1Ω ÷ 60MΩ	0.1Ω ÷ 60MΩ
Standard accuracy:	±(1.0%reading+2digits)	±(0.8%reading+5digits)	±(1.2%reading+5digits)	±(1.0%reading+4digits)	±(1.0%reading+4digits)
Buzzer:	<50Ω	<25Ω	<35Ω	<100Ω	<100Ω
<b>Frequency</b>					
Reading range:	0.001Hz ÷ 10MHz	0.001Hz ÷ 1MHz	0.001Hz ÷ 1MHz	0.001Hz ÷ 1MHz	0.001Hz ÷ 1MHz
Standard accuracy:	±(1.2%reading+5digits)	±(0.09%reading+5digits)	±(1.0%reading+2digits)	±(0.1%reading+1digit)	±(0.1%reading+2digits)
<b>Capacitance</b>					
Reading range:	0.01nF ÷ 40mF	0.01nF ÷ 6mF	0.01nF ÷ 6mF	0.01nF ÷ 1000µF	-
Standard accuracy:	±(3.0%reading+3digits)	±(1.2%reading+8digits)	±(2.5%reading+10digits)	±(3.5%reading+4digits)	-
<b>Duty Cycle</b>					
Reading range:	0.5% ÷ 99.9%	0.1% ÷ 99.9%	20% ÷ 80%	0.1% ÷ 99.9%	0.1% ÷ 99.9%
Standard accuracy:	±(1.2%reading+2digits)	±(1.2%reading+2digits)	±(1.0%reading+5digits)	±(1.2%reading+2digits)	±(1.2%reading+2digits)
<b>Temperature probe type K</b>					
Reading range:	-20°C ÷ 760°C	-40°C ÷ 1350°C	-40°C ÷ 760°C	-45°C ÷ 750°C	-
Standard accuracy:	±(3.0%reading + 5°C)	±(1.0%reading + 3°C)	±(2.0%reading + 3°C)	±(3.5%reading + 5°C)	-