

Your specialist for electrical Test and Measurement

We develop electronic testers from concept to manufacture. Together with you, the product management team at our head office in Glottertal, Germany defines products that will impress you both by their application as well as cost. Our development team in Glottertal and Belgrade, Serbia design excellent technological solutions. We produce high quality at attractive prices in our factories in China and Serbia.

HDT Electronics is proud to be working with many of the worlds leading developers of test & measurement, and we continue to look to support the ever changing needs of the market through innovation and patented solutions.

Our locations

Germany: Headquarters



China: Production



2 x Serbia: R&D & Production



HongKong: Sales



Extensive product range

for Electric Vehicle (EV) Type 1 Chargers and for PV systems.



Hoover Dam Technology GmbH
In den Engematten 16
79286 Glottertal/Germany
info@hdt-electronic.de
www.hdt-electronic.com



Andrew Upton
Director of Business Development
Phone: +49 7684 907 200
Mobile: +44 7579 029 674
E-Mail: andrew.upton@hdt-electronic.com

Our business segments

OEM: We have a portfolio of measuring and testing devices such as voltage testers, multimeters, PV clamp meters and testers for EVSE applications. You can add your logo to these products when you order at least 100 units.

Customer-specific products (ODM): We realise your ideas. Our team will assist you through each step of the way from market research to mass production.

Certified

HDT's operating sites are regularly inspected, audited and certified.



USA CleanTech Portfolio

Measurement technology for renewable energies



Electric Vehicle Supply Equipment (EVSE) Type 1 Tester

If Federal emission targets are met, the United States could have over 48 million electric vehicles on the road by 2030. With this demand, the number of Electric Vehicle (EV) Type 1 Chargers is expected to grow to around 30 million by the end of this decade. The number of installations, inspections, and maintenance call outs will also increase exponentially, and to date, traditional test tools just don't allow for quick identification of faults or errors.

Many EV Charger manufacturers and installers have thought about development of such instruments, but whilst non-core to their business, many never reach approval status. So why not let HDT remove this issue, with an instrument already developed and ready for deployment under your brand, to support your team, your approved installers and your customers.

Looking for a custom EVSE tester? We have developed and patented a great basket of ready technologies that can be composed to your specific needs.



HDT 1934

The perfect instrument to ensure quality installation and maintenance troubleshooting.

Functions include

- Confirming EVSE functions are working correctly without an electric vehicle present
- Simulating Electric Vehicle present
- Simulating EVSE Charging
- Simulation of Charge Circuit Interruption Device (CCID) Fault to ensure integral safety devices are working as per manufacturers expectations

When connected to a Digital Multimeter, can verify

- Incoming Voltage
- Line to Ground Voltage & Line to Line
- Check Proximity Circuit functionality

When connected to a isolation tester, can verify

- Safe isolation of the installation

When connected to an Oscilloscope can also show

- Pulse Wave Modulation (PWM) at the various Pilot stages



BENEFITS TO YOUR BUSINESS INCLUDE

- Better Installation Compliance
- Reduce Number of False Maintenance truck rolls, thus improving productivity
- Better Customer Satisfaction
- Increased Brand Perception
- Additional Business Revenues
- Reduced Maintenance Costs

| Model | 1934 |
|----------------------------|---|
| PE Pre-Test | yes |
| CCID Test | yes |
| CP states | A, B, C, D |
| CP Error "E" | E |
| PE Error/ Earth fault | yes |
| LED indication of L1 | yes |
| Measuring Terminals | L1, L2 (N), PE |
| CP signal output terminals | 2 pcs 4mm sockets |
| Fixed connector | SAE J1772 (Type 1, 5P single phase) for measuring purpose |
| IP | IP40 |
| Safety | CAT II / 300 V |
| Pollution degree | 2 |
| Standards | EN61010-1; EN61851-1 |
| Temperature | 0°...40° C |

1500V DC 1000 A CAT IV Professional Clamp Meter

With the continued technical advancements and the need to provide even better systems, the Photovoltaic (PV) market continues to leap forward at a tremendous pace. Many supporting industries are finding it difficult to keep up to pace, and this is true for many test instruments currently available to PV installers. Here at HDT we continue to monitor future trends and try to future proof products for new and emerging market sectors.

With that in mind, we have developed the 30030 Clamp Meter, designed especially for the current needs of PV installers and maintenance technicians. This new product enables engineers to work on all PV systems, whether rooftop, industrial or Utility systems.



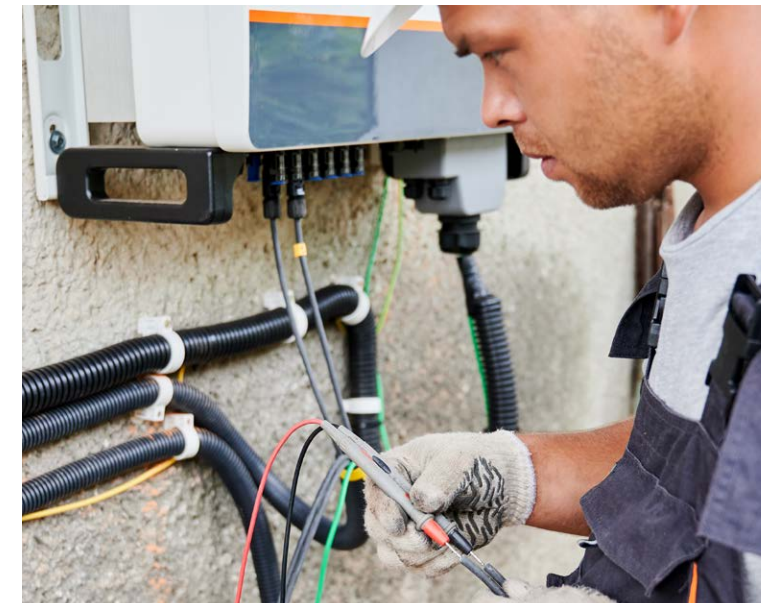
HDT 30030

Key features

- Highest safety category CAT IV 1000 V CAT III 1500 V
- Voltage measurement AC/ DC up to 1500V
- Current measurement AC/DC up to 100 A
- TRMS
- Large tear shaped clamp to accomodate busbars

Other Features include

- Resistance, Capacity and Frequency measurement
- Diode test and continuity
- NCV & LPF
- Torch light, LCD with backlight
- Auto-power off, self test



| Model | 30030 |
|---------------------------|--|
| LCD | 7 Segment, 4 digit display, NCV, APO, LPF, Continuity, Diode, Battery status, Polarity, AC/DC, Hold, Min/Max, Zero, Measuring unit |
| Backlight | yes |
| LED | Torch light, NCV |
| Voltage Measurement | 1 mV...1000 V AC TRMS, 1 mV...1500 V DC |
| Current measurement | Clamp: 0.1...1000 A AC TRMS, 0.01...1000 A DC Jack: 0.1 uA...400 uA AC TRMS, DC |
| Resistance | 0...40 MΩ |
| Capacitance | 10 nF...100 uF |
| Continuity | < 30 R buzzer sound |
| Diode | 0...1.5 V |
| Frequency | up to 10 MHz |
| Jaw opening | 35 mm |
| Leads connectors distance | 25 mm |
| TRMS | yes |
| Power supply | 2 x 1.5 V AAA |
| NCV | yes |
| Inrush Current - Jaw | no |
| LPF | yes, 1 KHz/-3 dB |
| Torch Light | yes |
| Auto-Power-Off | yes |
| Self Test | yes |
| Bluetooth | no |
| Overvoltage category | CAT IV / 1000 V |
| In compliance with | IEC 61010-1, IEC 61010-2-032 |
| Dimension | approx. 240 x 81 x 43 mm |
| Weight | approx. 300 g (without batteries) |