MT310s2: a reference meter in a class of its own

- **Top measurement quality:** the advanced reference meter is insensitive to high-frequency interferences (150 kHz). The new device is therefore not susceptible to additional errors.
- **Convenient to use:** single-phase measurements are made easier because the current clamps can be connected separately for each phase. Current clamps that can be plugged in separately are also easier to service than previous current clamp sets.
- **Greater range of functions:** an additional 4th channel is available for extra measurement tasks such as measuring the neutral current flow or the voltage in the protective earth.
- **Safe:** CAT IV category comes as standard. We can therefore meet even higher safety requirements.
- **Added value:** thanks to the dedicated carry case, the MT310s2 is ready to take measurements the moment it is taken out of the box. This avoids tiresome work setting up the equipment and connecting any accessories.
- **Modular hardware:** The MT310s2 can be expanded over time. For instance you can simply plug in a battery pack or additional interfaces.

With our Series 2 range, we are bringing you the future of meter testing today. Even safer. Even greater precision. And even more versatile. Thanks to its modular design, the MT310s2 can also adapt optimally to future demands. ZERA Series 2 reference meters are a safe investment for guaranteeing the best measurement quality.

ANALYSING LOGGING

Do you have any questions or requests?
If so, please get in touch.

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ZERA

TESTING MEASURING

Series 2
The new generation of meter testing

Innovative – Safe – Convenient

ZERA

The new Series 2 from ZERA

As independent specialists in energy measurement technology we are constantly expanding our core expertise. ZERA has stood for precision and quality for nearly 100 years. We develop and produce individual components and stationary systems for meter test technology – for metrological institutes, test laboratories for utilities and meter manufacturers.

Series 2 of our
MT product line

We have long been internationally recognized experts in quality control and quality assurance of energy measuring systems. This tradition is built on our unwavering focus on the future, ensuring that we continue to develop pioneering products in test technology.

The new Series 2 is yet more evidence of our innovative skills. This new edition of our portable test equipment represents tomorrow's world of meter testing, employing the latest advances in software and hardware. In 2018 we are launching the MT310s2 as the first model in the Series 2 range. Further reference meters, sources and systems from the MT product line will follow, along with a range of add-on modules.

Take a look for yourself at the next generation of meter testing.

Future-ready: the MT310s2

Our first Series 2 reference meter impresses on all fronts – whether software or hardware. The MT310s2 takes us to the next level in measurement quality, because this meter is insensitive to interferences (150 kHz). It features CAT IV category as standard, and also allows future modular expansion, for instance by adding extra interfaces or a battery pack. The reference meter is also user-friendly, with control, data input and operation all handled via the capacitive touch-screen.

The MT310s2 is leading the MT product line of portable reference meters into the next generation.

Technical data

For first-class results

- Working standard
- Reference meter
- Class 0.1 directly, or
- Class 0.2 via current clamp

Mains conditions

- Non-sinusoidal load (150 kHz)
- Non-linear load (switched mode power supply)
- Neutral current flow

Connections

For maximum measurement reliability

- 4 voltage inputs U_1, U_2, U_3, U_{AUX}, U_N
- 3 current inputs I_1, I_2, I_3
- 4 current inputs CT_{L1}, CT_{L2}, CT_{L3}, CT_{AUX}
- CAT IV overvoltage category

In the pipeline

For quality that is future-proof

- Modular design allows device expansion using modules for extra interfaces, battery pack and so on
- Smart-meter installations
- Testing of communication components
- Class 0.05 reference meter (from 2019)