

PRESS RELEASE – Sulz (Austria), October 26, 2023

BAUR device for cable fault pre-location that can be configured according to the customer's wishes

Simple and safe: The IRG 400 time domain reflectometer

The new IRG 400 from BAUR is a user-friendly time domain reflectometer for cable fault pre-location. When combined with a surge voltage generator, it can be used for fault location on all cables and power cables. With three measurement inputs, the IRG 400 enables 3-phase measurement on de-energised lines. It also has an integrated CAT IV/600 V filter and can therefore be used on live cables up to 400 V – with appropriately certified test leads. There are additional ports so that all HV pre-location methods can be used.

As the successor to the IRG 2000, the IRG 400 offers a number of new features. For example, length-dependent gain is available with the BAUR BUI-F application, which features touch operation. This simplifies evaluation, as the reflections of far-away events can be identified just as well as those of a close-by event. Another innovative new feature is the Step TDR function in the application. This now makes it possible to also optimally identify events such as illegal connections within a range of approximately 20 metres. The larger and brighter display is another improvement upon the predecessor model.

Different variants of the 19" version through to a portable device

The IRG 400 is available as a portable stand-alone device with transport case solution or as a 19" plug-in unit (1 rack unit) for system installation. As for operation, you can either use a 15.6" laptop with the tried-and-tested BAUR Software 4 or a 10.1" tablet with the innovative touch-optimised BAUR BUI-F application. The Windows® 10-based system also supports easy data handling, for example, processing measurement data in the office on the same laptop – without having to transfer any data.

The 19" version of the IRG 400, which is just one rack unit, enables easy integration into the Syscompact 400 or transicable fault location systems. Operators can also work comfortably and conveniently on the large 15.6" laptop screen, without needing an additional monitor.

The portable case version of the IRG 400 is easy to remove and can be firmly secured on various surfaces using a mounting device. The IRG 400 itself can thus also be used flexibly as a system component.

Wi-Fi connection enables optimum galvanic isolation

The IRG 400 features integrated Wi-Fi for wireless operation via a tablet or laptop. The wireless connection also provides optimum galvanic isolation. Moreover, Wi-Fi connectivity enables measurement engineers to perform measurements from the comfort of their vehicle or sheltered from the weather. Featuring IP54 protection, the IRG 400 transport case is well

protected against the elements – even when open. With its ergonomically designed user interface, the BAUR BUI-F application is easy to use. This makes it possible to get precise results in record time.

Corresponding ports are available for HV cable fault pre-location with SIM/MIM (secondary impulse method), ICM (impulse current method), and decay method.

For further information, please visit <https://www.baur.eu/en/irg400portable>



*The IRG 400 time domain reflectometer in the portable case version with removable tablet.
(Pictures: BAUR GmbH)*

You can find print-ready images under [this link](#).

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