tracy

BAUR partial discharge signal coupler

The figure is illustrative

NEW:

- **Optimised operation and modern design for improved user experience**
- **Large LCD for good readability**

Simple and exact pin-pointing of partial discharge positions

- Portable, battery-operated signal coupling device
- High signal precision with individually adjustable intensity
- Efficient cost savings through targeted fault location

The tracy partial discharge signal coupler is used for the precise location of partial discharge source locations in cables (partial discharge pin-pointing).

The tracy induces a signal into the cable at the apparent position of the partial discharge, which was pre-located using a partial discharge diagnostics and location system, such as the PD-TaD. This allows the operator to compare the position of the pre-located partial discharge with the coupled signal from the tracy, to precisely locate the position of the partial discharge.

The signal strength can be easily adjusted using the simple push button control panel. All important information, including the battery charge status, is presented in a well-organised and easy to read manner on a large display. The automatic adjustment of the background lighting ensures that the display is clearly visible in all light conditions – whether dark or bright.

The high-performance lithium-ion battery ensures long operating times and maximum mobility. This makes tracy the ideal companion for any PD diagnostics system.

Features

- Inductive signal coupling without damaging the cable
- Allows the operator to confirm the fault location pre-located with a PD diagnostics and location system
- Easy to operate
- Modern design with clearly arranged operating controls
- Robust, dust- and splash-proof housing
- Lightweight
- Powerful lithium-ion battery for mobile use
- Backlit display is easy to read in both dark and bright conditions
- Straightforward connection to the test object – suitable for all cable diameters thanks to the long induction cable
- No additional time domain reflectometer required for pin-pointing PD source locations
- Distance to the PD source location displayed in BAUR Software 4*
- Cost savings by avoiding unnecessary replacement of PD-free joints and terminations

* Included in the standard delivery of the BAUR PD-TaD PD diagnostics system. Information about BAUR Software 4 and the system requirements can be found in the data sheet for BAUR Software 4 cable testing and diagnostics.

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Technical data

Pin-pointing of PD source locations	
Pulse intensity	Approx. 5.2 µC, adjustable in 5 steps (20%, 40%, 60%, 80%, 100%)
Pulse sequence	10 Hz (100 ms)
Rise time	< 60 ns
General	
Power supply	
Rechargeable battery	Lithium-ion battery, 3.6 V, 950 mAh, 3.42 Wh
Battery life	At least 90 min at full output power
Protection of the battery	Protection against: ▪ Deep discharge ▪ Overcharge ▪ Overheating ▪ Overvoltage
Charging time	Approx. 4 h
Charging port	USB-C port
Display	▪ Transflective LCD display with background lighting ▪ Brightness sensor for controlling the background lighting
Signal output	▪ Connection sockets, red and black, ø 4 mm ▪ Not reverse voltage protected
Ambient temperature (operational)	0°C to +55°C
Storage temperature	-10°C to +60°C
Relative humidity	93% at 30°C
Dimensions (W x H x D)	Approx. 78 x 135,5 x 37 mm
Weight	Approx. 500 g
Degree of protection	IP54

Standard delivery

tracy partial discharge signal coupler incl.:

- Induction cable, black, 1.5 m
- Transport bag
- User manual

The figure is illustrative

Would you like to discover more about this product?
If so, contact us: www.baur.eu > BAUR worldwide

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