

PRESS RELEASE

The new titron® cable test van: Mobile workspace creating knowledge on the go



Sulz in February 2021 – Higher network availability, better quality and optimised equipment utilisation – that’s what the new titron® cable test van from BAUR has to offer operators of medium-voltage networks. Because the test van’s technology not only facilitates targeted cable fault location that saves you time, it also supports cable testing and provides functions for quick and simple cable diagnostics. All this furnishes network operators and service providers with extensive knowledge about the condition of cables and gives them an edge in troubleshooting and fault prevention. Failures and unplanned repairs are thus avoided and the assessment of remaining life time of cables by asset managers optimised. This increases certainty in maintenance planning and creates an ideal foundation for making decisions about replacement investments.

The new titron® has something to offer the entire company – from measurement staff, asset managers and other technical departments all the way up to the top management, everyone benefits. This is thanks to the comprehensive redesign based on feedback from operators all over the world. The results: easier operation, primarily via keyboard and mouse from a comfortable mobile workspace; cable fault location supported by numerous tools, time-optimised diagnostic processes thanks to the parallel performance of dissipation factor measurement and partial discharge measurement, and a high level of customisability of processes so that an individual, company-specific diagnostics philosophy can be implemented. All this ensures consistent results and a straight-line evaluation chain from the cable test van to the executive floor.

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The interior

Sophisticated, practical and convenient

The new titron® offers a working environment that is both pleasant and functional. For example, the sliding bench seat, which doubles up as a storage chest, has been redesigned for greater comfort. The new cable test van has much more

storage space than its predecessor, which comes in useful for hand-held measuring devices, documents or the personal belongings of measurement engineers. The work area has also been enlarged to create an office-like feel and improved ergonomics. This is enhanced by the wall-mounted LCD screen.

Customers can personalise their titron®, for example by opting for two screens or a seat with backrest.

Operation

Mouse and keyboard put everything at your fingertips

An ergonomic and intuitive software interface speeds up work processes and makes it easier for operators to do their jobs. Standardised sequences are simple to call up and start, while the software guides operators through more complex measuring tasks.

Measurement results are clearly presented and can be interpreted at a glance. This means that new staff can

easily find their way around the interface and quickly obtain reliable results.

However, the software also offers an expert mode in which experienced measurement engineers have direct control over processes and parameters. Help is also at hand for users whilst locating faults, with cable data and measured values linked to maps so that operators can quickly see where the problem lies.



Cable fault location

Stop searching and start finding with the Smart Cable Fault Location Guide



The Smart Cable Fault Location Guide speeds up cable fault pre-location and pin-pointing. The software can also be linked to the BAUR cable database and a geographical information system to narrow down the type and location of the fault even more rapidly. BAUR software helps during pin-pointing, too, and even protects the cable: The BAUR app shows the location of the fault on the display and allows the surge current generator to be

remotely controlled from the fault location. This reduces the stress on the cable route, which only has to be exposed to the load for the minimum time necessary during pin-pointing.

The diagnostics functions

Test van becomes the “mobile home of diagnostics”



Parallelised processes – such as the combination of dissipation factor and partial discharge measurement into a single sequence – speed up measurement tasks. Measurement engineers are thus able to collect significantly more information and generate additional benefits for asset and maintenance management. To get the most out of the information, standard processes

can be augmented by the definition of custom templates for sequences and limit values to be used in all cable test vans. Reporting is also simple and can be customised to suit individual needs. This allows companies to implement a consistent, individual diagnostics philosophy – from collecting measured values to reporting and forwarding the data to colleagues at head office. Rather than being viewed in isolation, diagnostics can now be compared, opening up new opportunities for evaluation in the backoffice.

The software

Get the most from your data with statex®

The BAUR titron® cable test van is part of a consistent and sophisticated data and information chain. It makes it easy to collect measured values and analyse them on site. The data is also stored in the BAUR Software 4, allowing meaningful reports to be generated. From there, data and reports can be made available to other colleagues in the field and in other departments, so that they can perform analyses using office licences of the BAUR Software. The evaluation chain is rounded off by BAUR statex®, a software package for the statistical estimation of remaining life time based on dissipation factor measurement. These forecasts help to keep cable routes in use for much longer, significantly reducing network maintenance costs.



The evaluation

Reliable basis for decision making

Far from being of interest only to technical departments, the reports and analyses created with the aid of BAUR Software 4 and statex[®] can also provide assistance to top management. In particular, remaining life time estimation with statex[®] provides a sound basis for identifying potential savings, planning budgets precisely, and improving the assessment of network utilisation costs and failure risks. Engineers can collect the measured values needed to calculate remaining life time rapidly, consistently and reliably using the titron[®].

The vehicle

A 3.5 tonne truck that punches above its weight

Despite the many new features that have been added, the BAUR titron[®] is and remains a 3.5 tonner and offers even more payload than its predecessor. This is possible thanks to the lightweight measurement system. Nevertheless, the new test van still offers a complete, 3-phase system for cable fault location, cable testing and cable diagnostics. BAUR titron[®] – the future-proof all-in-one solution for cable fault location, cable testing and cable diagnostics.



You can find further information at <https://www.baur.eu/en/cable-test-van/titron>



Continuously refined: the new titron[®] cable test van from BAUR.
(Photographs: BAUR GmbH)

You can find print-ready images of the new BAUR titron[®] cable test van under [this link](#).

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