

Product overview

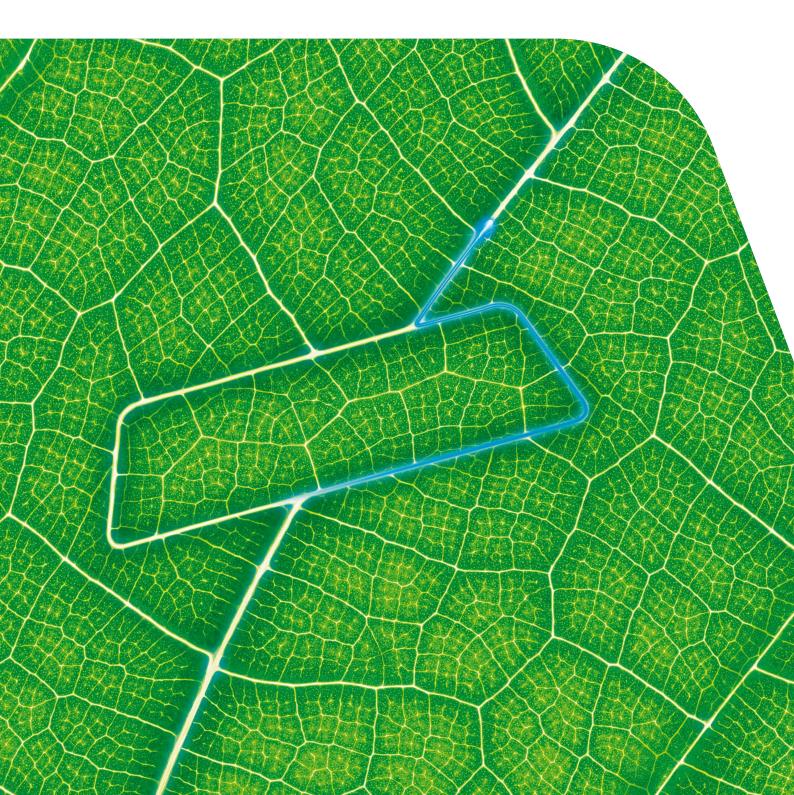
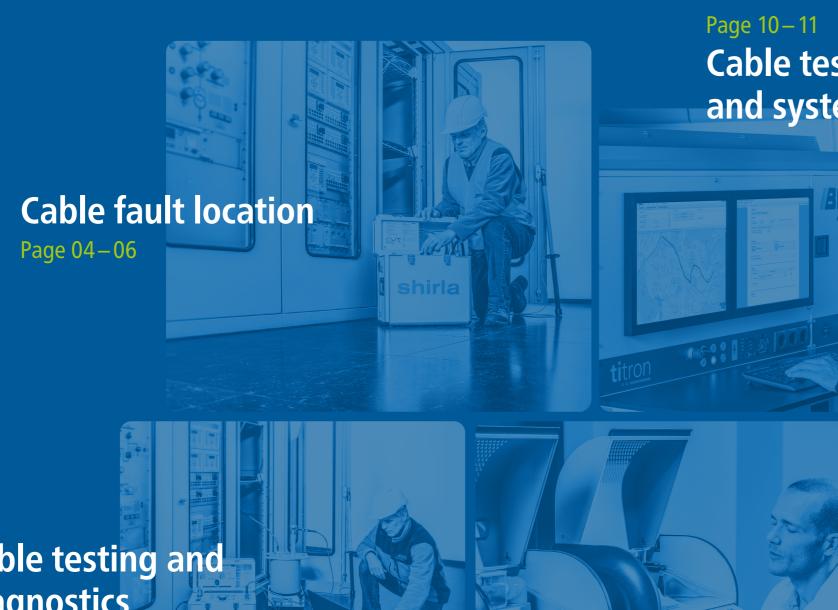




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Technical information and data sheets for each of our products is available at baur.eu/cfl

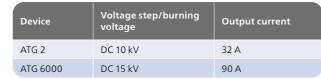


ATG 2, ATG 6000

Burn down transformer for reducing the fault resistance

- For use on cable faults that are difficult to locate
- Separate current and voltage regulation on each burn level





Cable and phase identification

KSG 200

Cable identification system for use on de-energised and live cables

- Pulse current of up to 180 A
- Absolutely reliable identification of the correct cable



Cable sheath testing and fault location

shirla

Portable device for cable sheath testing and fault location

- Cable and cable sheath testing up to 10 kV
- Fault pre-location by means of high-resolution resistance measuring bridge
- Step voltage method for cable sheath fault pin-pointing





Cable fault pin-pointing and tracing

protrac®

All-in-one cable fault location and tracing system

- Bluetooth connection for wireless operation
- Integrated loudspeaker
- Acoustic/magnetic pin-point-
- Location of short-circuits and joints
- Tracing with all known methods
- Location of sheath and earth faults

protrac® Tracing Set

Universal system for line and cable fault location

- Bluetooth connection for wireless operation
- 3D Space coil
- Tracing
- Direct and 45° depth measurements
- Short-circuit fault location with twist and minimum distortion methods
- Audio frequency generator 50W

TG 20/50 and TG 600

Audio frequency transmitter for cable tracing and fault location

- Automatic and manual impedance adjustment
- High-performance audio frequency transmitter, 50 VA or 600 VA



CL 20

Handy device for locating cable routes and metal pipes

- Easy to handle
- Direct indication of the laying depth
- Signal current measurement













Cable fault location



Cable fault location

Surge voltage generators

SSG 500-3000

Surge voltage generators specifically designed for use in low- and medium-voltage networks

- High surge energy in all voltage ranges
- High DC burn current
- Voltage steps can be continuously adjusted from 0 kV to max. output voltage



Device	Voltage	Surge energy	Burn current	Weight
SSG 500	3-16 kV	512 J	480 mA	48 kg
SSG 1100	0-8, 16, 32 kV	1100 J	560 mA	79 kg
SSG 1500	0-8, 16, 32 kV	1536 J	850 mA	120 kg
SSG 2100	0-8, 16, 32 kV	2048 J	850 mA	126 kg
SSG 3000	0-8, 16, 32 kV	3000 J	850 mA	147 kg

BAUR XL-CFL

for fast and efficient cable fault location on long land and submarine cables

Individual XL-CFL product solutions

A combination of powerful systems and the extensive expertise of BAUR specialists

- Portable devices for cable fault location at multiple locations of use
- Mobile systems all measurement methods integrated into a single system
- Stationary XL-CFL systems all measurement methods and application at both ends of long cables

Find out more in the BAUR XL-CFL solution folder







Time domain reflectometers

IRG 2000

Time domain reflectometer (TDR) up to cable length of 65 km

- Cable fault pre-location using Time Domain Reflectometry
- Automatic measurement and display of the fault distance
- Main unit for proven pre-location methods



IRG 4000 / IRG 4000 portable Time domain reflectometer (TDR)

for cable lengths up to 1000 km ■ One device – all measurement methods

- All functions of the BAUR Software 4
- Fingerprint generation
- Mapping
- BAUR Fault Location App
- Export/import GIS data
- Insulation resistance measurement up to 1000 V
- Remote control via WLAN
- Integrated in a system or as a stand-alone device in a transport case Ideal for use in XL cable fault location





BAUR software for cable fault location

BAUR Software 4

Condition-based maintenance of the cable network Find out more on pages 14–15



AC and DC voltage testing

frida

Voltage test with DC voltage or mains frequency

- On-site DC voltage testing of paper-insulated mass-impregnated cables
- Voltage test on electrical equipment
- Cable sheath testing



Device DC max. AC max. PGK 70 HB +/- 70 kV 55 kV _{rms} / 7 mA _{rms} PGK 70/2,5 HB +/- 70 kV 55 kV _{rms} / 50 mA _{rms} PGK 110 HB +/- 110 kV 80 kV _{rms} / 14 mA _{rms} PGK 110/5 HB +/- 110 kV 80 kV _{rms} / 66 mA _{rms} PGK 150 HB +/- 150 kV 110 kV _{rms} / 9 mA _{rms} PGK 150/5 HB +/- 150 kV 110 kV _{rms} / 50 mA _{rms} PGK 260 HB +/- 260 kV 190 kV _{rms} / 9 mA _{rms}			
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PGK 150/5 HB +/- 150 kV 110 kV _{rms} / 50 mA _{rms}	PGK 110/5 HB	+/- 110 kV	80 kV _{rms} / 66 mA _{rms}
5	PGK 150 HB	+/- 150 kV	110 kV _{rms} / 9 mA _{rms}
PGK 260 HB +/- 260 kV 190 kV _{rms} / 9 mA _{rms}	PGK 150/5 HB	+/- 150 kV	110 kV _{rms} / 50 mA _{rms}
	PGK 260 HB	+/- 260 kV	$190 \mathrm{kV}_{\mathrm{rms}} / 9 \mathrm{mA}_{\mathrm{rms}}$

PGK 50 E / PGK 80 E

DC HV tester for medium-voltage cables

home of **diagnostics**

Cable testing and diagnostics

- On-site DC voltage testing of paper-insulated mass-impregnated cables up to 50 or 80 kV
- Voltage test on electrical equipment
- Cable sheath testing

PGK 25

DC HV tester for use on low- and medium-voltage cables up to 25

- On-site DC voltage testing of paper-insulated mass-impregnated cables up to 25 kV
- Voltage test on electrical equip-
- Cable sheath testing









//BRUR ensuring the flow

Portable VLF testing and $tan \delta$ diagnostics

frida

VLF tester for medium-voltage cables

- VLF cable testing with truesinus® 0.1 Hz to 26 kV_{rms} / 36 kV_{peak}
- Partial discharge measurement in combination with PD-TaD 62
- Cable sheath testing and sheath fault location



frida TD

VLF tester and diagnostics device for medium-voltage cables

- VLF cable testing with truesinus® 0.1 Hz to 26 kV_{rms} / 36 kV_{peak}
- Integrated dissipation factor diagnostics $tan \delta$ and MWT with tan δ
- Partial discharge measurement in combination with PD-TaD 62
- Cable sheath testing and sheath fault location





VLF tester for medium-voltage cables

- VLF cable testing with truesinus® 0.1 Hz to 44 kV_{rms} / 62 kV_{peak}
- Partial discharge measurement in combination with PD-TaD 62
- Cable sheath testing and sheath fault location





viola TD

VLF tester and diagnostics device for medium-voltage cables ■ VLF cable testing with truesinus®

- 0.1 Hz to 44 kV_{rms} / 62 kV_{neak}
- Integrated dissipation factor diagnostics tan δ and MWT with tan δ
- Partial discharge measurement in combination with PD-TaD 62
- Cable sheath testing and sheath fault location







PHG 80 portable

High-performance VLF tester for medium-voltage cables

- VLF cable testing with truesinus® $0.1 \, \text{Hz} \text{ to } 57 \, \text{kV}_{rms} / \, 80 \, \text{kV}_{resk}$
- Partial discharge measurement in combination with PD-TaD 80
- Cable sheath testing









PHG 80 portable + PD-TaD

High-performance VLF tester and diagnostics device for medium-voltage cables

- VLF cable testing with truesinus 0.1 Hz to 57 kV_{rms} / 80 kV_{neak} Dissipation factor diagnostics
- $tan \ \delta \ in \ combination \ with$ PD-TaD 80
- Partial discharge measurement in combination with PD-TaD 80
- Cable sheath testing







Portable partial discharge diagnostics

PD-TaD 62

Portable PD diagnostics system

- PD measurements up to 44 kV_{rms} / 62 kV_{neak}
- PD level detection





PD-TaD 80

Portable PD diagnostics system

- PD measurements up to $57 \, \text{kV}_{\text{rms}} / 80 \, \text{kV}_{\text{peak}}$
- PD level detection







Online partial discharge diagnostics

liona

Online PD Spot Tester

- PD spot test during mains operation (duration: 5 – 10 minutes)
- PD mapping with iPD transponder during mains operation
- Automatic differentiation between interference and partial discharge with DeCIFer® technology



Partial discharge pin-pointing

tracy

Partial discharge inductor

Exact pin-pointing of partial discharge locations





Technical information and data sheets for each of our products is available at baur.eu/t-and-d





BAUR Software 4

Condition-based maintenance of the cable network Find out more on pages 14-15



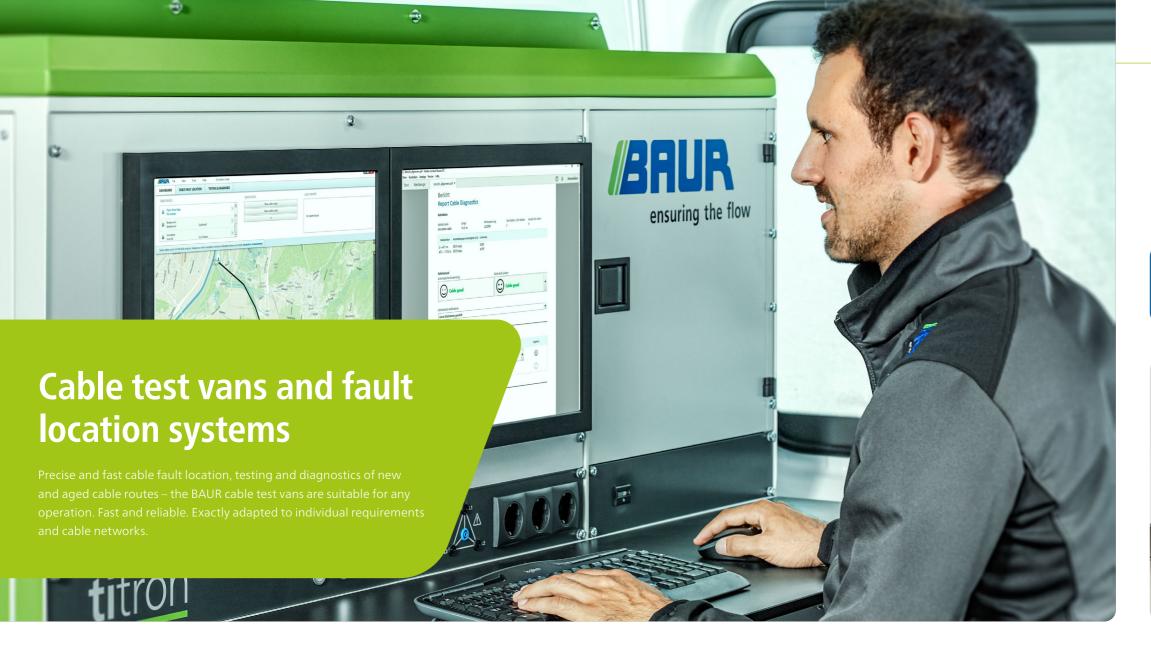
statex®

Analysis software for determining the statistical remaining life time Find out more on pages 14–15













Technical information and data sheets for each of our products is available at **baur.eu/ctv**



Cable test van



titron®

The intelligent test van for cable fault location and diagnostics

- All cable fault location and diagnostics methods in one vehicle
- Can be flexibly adapted to specific requirements
- Remote control via BAUR Fault Location App
- Compact, light version for installation in small vehicles



transcable 4000

Individually configurable test van for cable fault location and diagnostics

- Flexible configurability
- High redundancy by simply swapping components
- Cable testing up to DC 110 kV

Cable fault location systems

Syscompact 400

Cable fault location system

- Proven fault pre-location methods are fully integrated
- 0-8-16 kV; 1100 J-2050 J surge energy; Burning with up to 850 mA
- Safe remote operation of IRG with laptop or tablet

Syscompact 400 portable

Mobile cable fault location system

- Portable system■ 0-8-16 kV;
- 1100 J–2050 J surge energy; Burning with up to 850 mA
- Safe remote operation of IRG 400 with laptop or tablet



Syscompact 4000

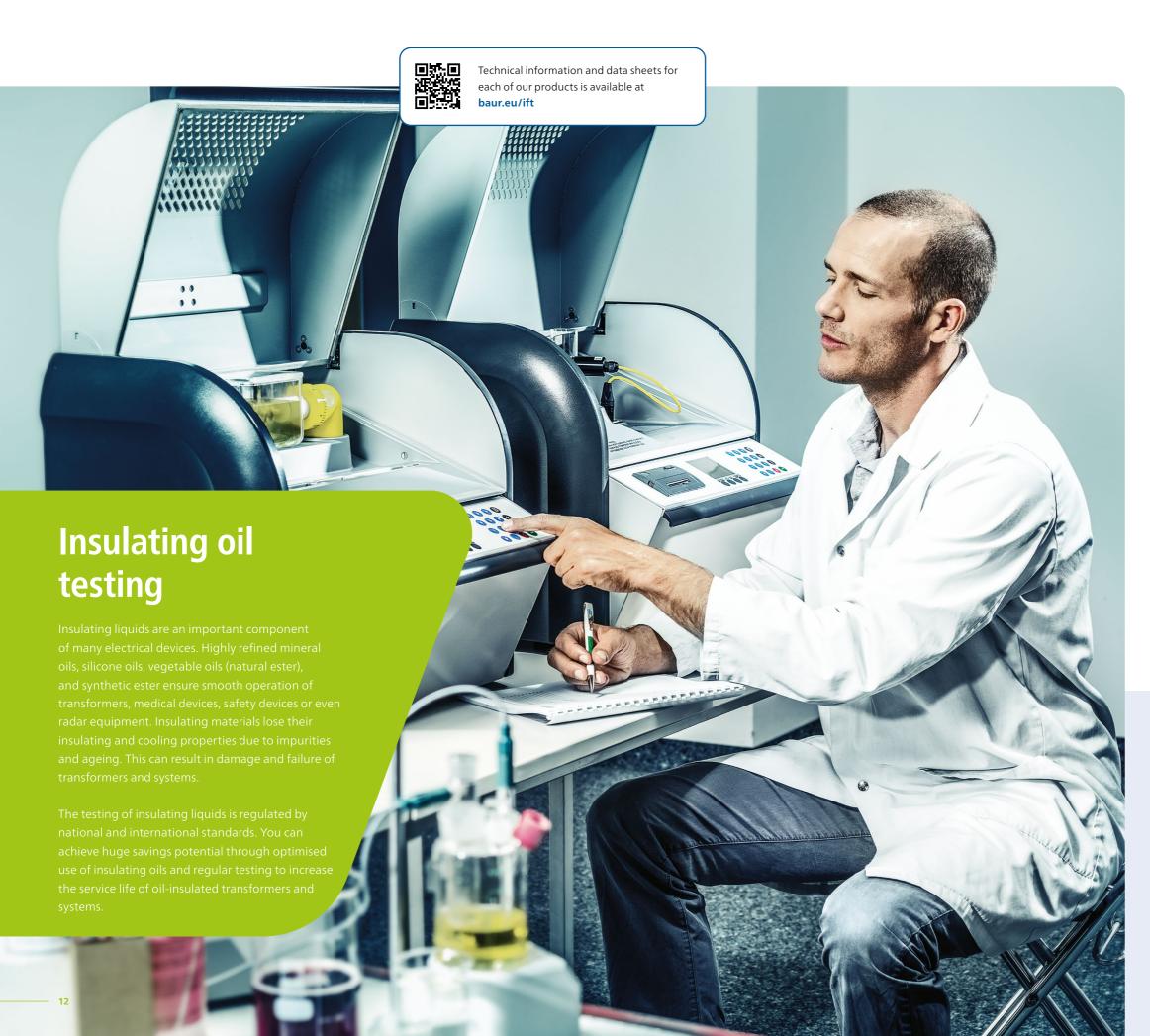
Cable fault location system

- System with high surge energy for installation in small vehicles
- 0-8, 16, 32 kV, 1024 J, optional 1540 J, 2050 J
- IRG 4000 with all fault pre-location methods



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Breakdown voltage test

DPA 75 C and DTA 100 C

Fully automatic oil breakdown voltage testers

- Reliable assessment of the breakdown voltage of insulating liquids
- Suitable for silicone and ester liquids
- Suitable for portable and laboratory use



Dissipation factor measurement

DTL C

Oil tan delta and resistivity tester

- Precise quality assessment of insulating liquids based on dielectric material rated values (dissipation factor, conductivity, permittivity)
- Powerful enough for continuous operation in the laboratory
- Straightforward sample handling thanks to automated emptying of cell



Report Manager

External USB interface for BAUR oil testers

 Automatic export of measurement logs as PDF and text file

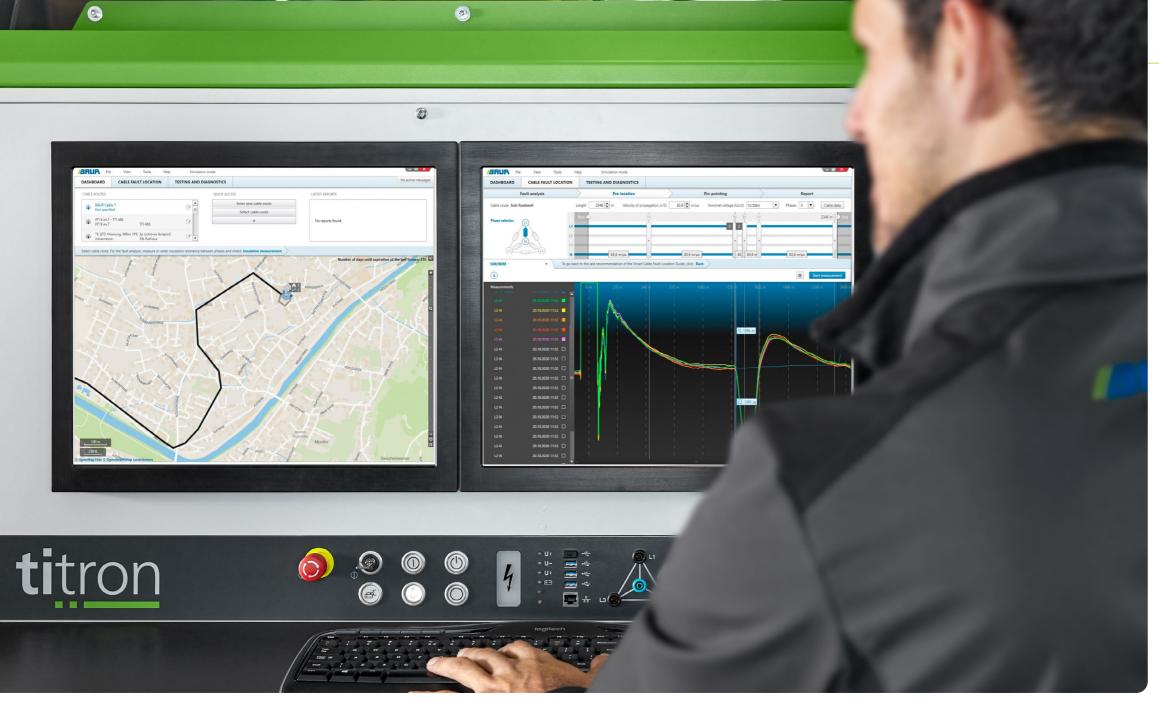


BAUR software for insulating oil testing

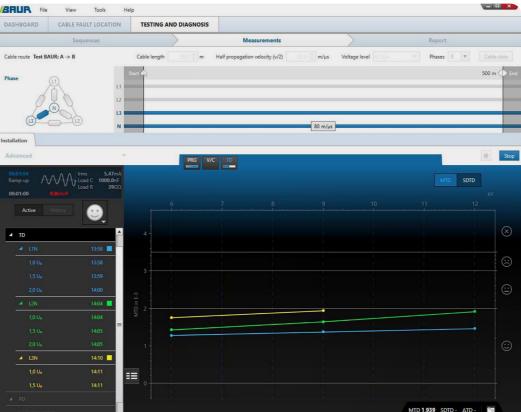
ITS Lite

Software for measurement data management Find out more on pages 14–15





BAUR software





BAUR Software 4

For intuitive cable fault location

- Comprises all measurement methods for precise cable fault
- Automated sequences guide the operator quickly and safely to the cable fault
- Optimum operator support during cable fault location provided by the Smart Cable Fault Location Guide
- Fast and easy compilation of clear and precise measurement logs

Condition-based maintenance of the cable network

- Testing, diagnostic measurements, and condition evaluation of medium-voltage cables and electrical equipment
- Support for asset management through condition monitoring of cable networks

statex®

Analysis software for determining the statistical remaining life time

- Determines the speed of ageing and the remaining life time of a cable based on the dissipation factor diagnostics with VLF truesinus®
- Ageing index R for assessing the dielectric losses, and voltage and time stability
- Recommendation for subsequent measurement





ITS Lite

Software for measurement data

Transfer and management of analysis results of the DPA 75 C, DTA 100 C, and DTL C oil testers.







Other BAUR Brochures



Cable testing and diagnostics



Cable fault location



Insulating oil testing



Cable test vans and systems



Further product information is available at: baur.eu/brochures

