



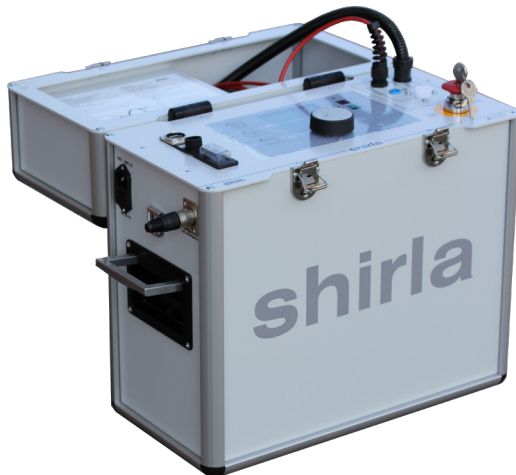
Datasheet



0370 330 6021
www.sunbeltrentals.co.uk

shirla

BAUR sheath test and fault location device



Mobile cable sheath testing and fault location

- Fault pre-location and pin-pointing in a single device
- Data export via USB interface
- Mains and battery operated
- Simple operation and intuitive user interface

The shirla sheath test and fault location device is used for cable and cable sheath testing, and for the pre-location and pin-pointing of cable sheath faults and cable faults due to earth contact.

The fault pre-location is based on the measuring bridge principle according to Murray and Glaser. The measuring bridge is dimensioned specially for power cables, but also enables pre-location for control and lighting cables. Zero balance and evaluation take place automatically. The fault distance is shown in meters. Various cable sections can be entered, thus increasing the accuracy of the measurement.

For fault pin-pointing, shirla generates a pulsed voltage, thereby permitting the use of the step voltage method. Using the "Step voltage" set of the protrac® pin-pointing system, cable sheath faults and other faults due to earth contact can be located quickly and accurately.

Functions

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

Features

Pre-location of cable sheath faults and faults due to earth contact

- Measuring bridge with automatic zero balancing
- Automatic evaluation
- High accuracy by accounting for different cable sections in terms of length, conductor cross-section and material

Cable sheath fault pin-pointing

- Pulsed voltage up to 10 kV
- 4 pulse patterns selectable
- Adjustable switch-on delay and operating time

General functions

- Continuously adjustable voltage
- Adjustable current and voltage limitation
- Automatic measurement sequences and reporting
- Automatic report export to USB stick
- Integrated discharge unit
- Connection for external emergency off unit in accordance with EN 50191

* Option

Technical data

Cable and cable sheath testing	
DC voltage	0 – 10 kV
Output current	10 mA @ DC 5 kV 5 mA @ DC 10 kV
Current indicator	Accuracy $\pm 10 \mu\text{A}$ Resolution 1 μA
Insulation resistance measurement	0.01 MOhm to 1 GOhm
Voltage and current limitation	adjustable

Measuring bridge (pre-location of cable sheath faults and faults due to earth contact)	
Measurement method	4-wire measuring bridge according to Murray or Glaser
Output voltage	DC 100 V – 10 kV
Max. output current	50 mA
Accuracy	0.1% relating to the measurement result
Number of definable cable sections	50
Voltage and current limitation	adjustable

Step voltage method (cable sheath fault pin-pointing)	
Pulsed DC voltage	100 V – 10 kV 4 selectable pulse patterns
Max. output current	700 mA

General	
Display	LCD with background lighting, screen resolution 320 x 240 pixels, Automatic brightness setting
Reporting	<ul style="list-style-type: none"> ▪ Shown on display ▪ Automatic export via USB interface (USB 2.0)
Data export format	Text file, bilingual: English, German
Power supply	<p>Mains voltage AC 100 – 240 V, 50/60 Hz</p> <p>Rechargeable battery DC 12 V, 3.4 Ah</p>
Max. power consumption	200 VA
Max. discharge capacity	25 μF
Ambient temperature (operational)	-20 to +50°C
Storage temperature	-40 to +60°C
Relative humidity	Non-condensing
Dimensions (W x H x D)	Approx. 440 x 490 x 220 mm
Weight incl. accessories	Approx. 20 kg
Degree of protection	IP54 (in closed state)
Safety and EMC	CE-compliant in accordance with Low Voltage Directive (2014/35/EU), EMC Directive (2014/30/EU), EN 60068-2-ff Environmental testing

Integrated battery	
Battery type	Lead-acid battery 12 V, 3.4 Ah
Battery life	Approx. 45 min (in HV mode)
Charging time	Approx. 4 h

Standard delivery

- BAUR shirla sheath test and fault location device
- HV connection cable, 4.5 m, fix mounted
- 4-wire bridge connection cable, 2.5 m, fix mounted
- G-clamps, 24 mm, 4 pcs
- Short-circuit cable set
- Earth cable, 3 m, with earth terminal
- Transport case for accessories
- USB drive
- Carrying strap
- Mains supply cord, 2.5 m
- User manual

Options

- GDR 20-125 discharge and earth rod
- BAUR protrac® pin-pointing system, "Step voltage" set
- Accessories set for cable sheath fault location with UL 30
- External emergency off unit with signal lamps, incl. connection cable, 50 m, on hand cable drum
- External emergency off unit with signal lamps, incl. connection cable, 25 m, on hand cable drum

Contact:

BAUR GmbH (Head Office Austria)
T +43 (0)5522 4941-0
F +43 (0)5522 4941-3
headoffice@baur.at
www.baur.eu

BAUR Prüf- und Messtechnik GmbH
T +49 (0)2181 2979 0
F +49 (0)2181 2979 10
vertrieb@baur-germany.de
www.baur-germany.eu

BAUR France
T +33 (0) 170 701 045
F +33 (0) 172 718 485
info@baur-france.at
www.baur.eu/fr

Baur do Brasil Ltda.
T +55 11 297 25 272
atendimento@baurdobrasil.com.br
www.baurdobrasil.com.br

奥地利保尔公司上海代表处
电话 +86 (0)21 6133 1877
传真 +86 (0)21 6133 1886
shanghaioffice@baur.at
www.baur.eu/china

BAUR Test Equipment Ltd. (UK)
T +44 (0)20 8661 957
sales@baurtest.com
www.baurtest.com

BAUR Representative Office Hong Kong
T +852 2780 9029
F +852 2780 9039
office.hongkong@baur.at
www.baur.eu

BAUR representatives:
www.baur.eu/en/baur-worldwide

We are supporting you to deliver
a world class service, every day,
in every sector...

LOCATIONS

LONDON, HEATHROW

Sunbelt Rentals UK Test & Monitoring

242-252 London Road, Staines, London TW18 4JQ

0333 122 3126

www.sunbeltrentals.co.uk/find-a-depot/london-heathrow

REDCAR

Sunbelt Rentals UK Test & Monitoring

Unit 5 Kirkleatham Business Park, Redcar TS10 5SQ

0370 330 6021

www.sunbeltrentals.co.uk/find-a-depot/teesside

STOKESLEY

Sunbelt Rentals UK Test & Monitoring

2 Ellerbeck Way, Stokesley Business Park, Stokesley, North Yorkshire TS9 5JZ

01642 718 900

www.sunbeltrentals.co.uk/find-a-depot/stokesley



www.inlec.com

Order Online with Next Day
Delivery, Online Chat & Online
Account Management



★ Trustpilot

View our trustpilot score



STOKESLEY  REDCAR

 HEATHROW

0370 330 6021

instrumentation@sunbeltrentals.co.uk

testequipment@sunbeltrentals.co.uk

www.sunbeltrentals.co.uk


SUNBELT
RENTALS