



Bartec 20T

Cable Fault Location Bridge



**Self Balancing, Digital DC
Fault Location Bridge
for Telecommunications
and Signal Cables.**

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The Bartec 20T is a self balancing, digital DC fault location bridge for telecommunications and signal cables.

Location is carried out by the Murray Loop, three point and K upfm uller methods. For low resistance loops the four wire test is available. Results can be expressed in terms of distance or resistance.

When a circuit is made up of several sections of different cross section the location is carried out automatically by feeding in the lengths and cross section of these sections taking into account also the cable temperature.

The effects of interference voltages, insulation resistances, loop resistances and resistance differencies can be cancelled out.

Performance Characteristics:

- Menu system gives ease of use
- Selectable dual language menus
- Rotary selector parameter input
- Good interference suppression
- Country specific cable table with 16 entries
- Large test value memory
- Serial link for transfer of test results to PC
- Possibility to connect to the FGK 1 for fully automatic K upfm uller test
- Software update carried out via serial link
- Internal self test
- Automatic power down

Ordering information:

- BARTEC 20-T
- Cable set
- Bag for cable set

Optional accessories:

- Adapter for vehicle supply



Technical Data:

Test voltage:	100 V DC
Fault location (Lx-Mode):	
Accuracy :	< 0,3% ($R_f < 20M\Omega$) < 0,5% ($R_f < 50M\Omega$)
Loop resistance:	
Bridge mode	0 - 10 k Ω ($\pm 0,5\%$)
Fast mode	0 - 10 k Ω ($\pm 3\%$)
Insulation resistance:	0,5 k Ω - 10 M Ω ($\pm 5\%$) 0,5 k Ω - 100 M Ω ($\pm 10\%$) 0,5 k Ω - 10 G Ω ($\pm 5\%$)
Resistance difference:	0,5% von R_S , Aufl�osung 10 m Ω
Interference voltage:	DC: 0-250 V ($\pm 3\%$) AC: 0-60 V ($\pm 5\%$), 20 Hz bis 200 Hz
Supply:	4x1,5V, Alkaline LR 14
Optional	External mains unit
Temperature range:	
Operation	-10°C bis + 50°C
Storage	-25°C bis + 60°C
Dimensions:	160 x 250 x 115 mm
Weight:	1,5 kg

DIN ISO-9001

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Product Range: Instruments and Test Vans for Fault Location in Power and Telecommunication Networks and for Leak Detection in Water and Sewage Networks • Cable and Pipe Locators • Seminars

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Technical data subject to change without notice.

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