



KMK 70

Cable test bridge



**Cable Test Bridge for
Fault Location and
Acceptance Tests on
Telecommunication Cables**

sebaKMT



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Cable test bridge KMK 70 is an electronic measuring bridge which features high measuring precision and a short measuring cycle in a very compact design.

Apart from the classical test methods of fault location and analysis in all types of control and copper communication cables, the unit includes special software for logging and storing the results of acceptance tests.

The KMK 70 allows the following test methods to be implemented:

- DC and AC fault locating methods
- 2-, 3- Murray measurement; Kuepfmueller measurement
- Analysis of interference voltage with additional automatic filtering
- Measurement of insulation resistance
- Measurement of loop resistance
- Measurement of resistance difference
- Measurement of capacitance (2-wire and quad)
- Measurement of earth capacitance
- Testing for interruption and core transpositions
- Fault location in mixed cable routes

State of the art design and circuitry has made the unit attractively compact. User friendly software and graphics ensures operational ease. The KMK 70 is able to store user-defined cable data, user-defined multi-section cable data and loaded coil cable data. The diameters of standard Cu and Al cables are also stored.

Outstanding features

- Special programme for standard acceptance tests
- Filter for enhanced immunity to interfering voltage
- User-friendly menu guidance with graphic symbols, large LC display
- Storage of measured values and set-up parameters
- RS 232 interface for data transfer to PC incl. PC software
- Temperature measurement by external sensor
- Small dimensions, light weight
- NiMh rechargeable batteries

Scope of supply:

- Measuring bridge KMK 70
- Battery charger 230 V AC
- Set of test leads with clips
- Temperature sensor
- Diskette with Demo and PC software
- RS 232 interface cable
- Carrying bag
- Instruction manual



Technical Specification:

Measuring voltage	max. 100 V DC
Measuring current	max. 400 µA
Measurement of extraneous voltage	0 to 100 V DC 0 to 100 VRM
Loop resistance	1 Ω to 10 k Ω
Accuracy	0,2% of reading ± 0,1 Ω
Resistance difference	1 Ω to 5 k Ω
Accuracy	2% of reading ±
Insulation resistance	1 k Ω to 20 G Ω
Capacitance	1 nF to 25 µF
Test frequency	11 Hz
DC fault location	Murray; 3-point; Kuepfmueller
Fault location measuring range	
Loop resistance	1 Ω to 10 k Ω
Fault resistance	max. 100 M Ω
Accuracy L _x /L	0,1% of reading ± 1 digit R _F < 1 M Ω
AC fault location	
Test frequency	11 Hz
Conductor break with and without insulation degradation	
Measuring range	up to 20 km
Accuracy L _x /L	0,2 to 1% of reading ± 1 digit
Location of core transpositions	
Measuring range	(10 nF to 10 µF) up to max. 20 km
Accuracy L _x /L and L ₂ /L	0,2 to 1% of reading ± 1 digit
Temperature measuring range	
Measuring range	- 20 °C to + 60 °C
Power supply	NiMh rechargeable batteries
Operating time	8 hours
Dimensions	200x100x40 mm
Weight	0,8 kg

DIN ISO-9001

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KABELMESSTECHNIK GmbH

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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