

Fault Converter

Supplementary unit for reflectometers to locate humidity faults in cables

The Fault Converter enables the location of humidity faults on paired cables. The small unit is a very useful supplement for the SebaKMT reflectometers (for example the Digiflex Com).

Reflectometers supporting the TDF-mode (Time Dependant Fault) and the IFL-mode (Intermittent Fault Location) facilitate the location of intermittent humidity faults in connection with the fault converter.

Salient Features:

- Display of the output level by a LED-chain
- Adjustable output level
- Adjustable polarity changing frequency
- For all kinds of reflection measurements
- No crosstalk or influence on the data traffic on adjoining pairs
- Automatic shut off
- Battery monitoring
- Small handheld unit

Method of working:

The Fault Converter injects a direct current into the defective cable. The humidity fault will be changed by electrolysis caused by polarity changes. This effect is visible as a changing reflection on the display of the reflectometer.

The periodical polarity change of the direct current intensifies the effect and simplifies the location of humidity faults. The reflectometer **Digiflex Com** supports the application with the specially developed TDF-mode (**T**ime **D**ependent **F**ault).



Technical Data:

Output voltage	< 120 V
Output current	max. 10 mA
External voltage protection	up to 400 V
Operation time	> 10 h
Usable pulse width	5 ns up to 5 μ s
Dimensions	125 x 210 x 60 mm
Weight	approx. 800 g

Scope of delivery

Fault Converter Article no. 3024050

The equipment comprises the following items:

- Fault Converter
- 2 pcs Safety test cable set
- Transport case
- 8 pcs. battery 1.5 V / LR 14
- Operation manual
- Quick guide