

ETF 3

Cable-friendly burning for pilot and tele-communication cables



- **Direct control of the burning process by life monitoring**
- **Highly cable-friendly burn process**
- **Specially adapted to the requirements of telecom and pilot cables**
- **Capable of locating humidity faults**

DESCRIPTION

The ETF (Energy Separation Filter) 3 kV was specially developed to perform fault location on symmetrical communication and pilot cables. The combination of a burn unit, ETF 3 and Teleflex allows an operator to quickly perform fault prelocation on high resistive and humid cable faults. Where many other measuring technologies fail, the ETF 3 even allows humid faults to be prelocated safely.

The ETF 3 provides a solution for applications where the permitted voltage is limited – by cable type or allowed test voltage level – to a level that prevents the use of the standard burn and fault location technology.

The burn procedure can be directly observed on the display of the connected Teleflex. The moment the fault breaks down, the fault distance becomes visible. This permits a “cable-friendly” limitation of the burn time to the required duration.

For safety reasons, the input of the ETF 3 voltage is automatically limited to 3 kV by an internal arc gap because the ETF 3 and any connected communication and pilot cables have limited permissible voltage levels.

Exceeding these permitted values will have far reaching negative consequences. Using the ETF 3 requires the utmost caution and observation of these values.

Combinations are available in the following variations (in order of performance):

Reflectometer with burn unit

Analogue Teleflex	T 22/13 B 5 kV mode
Teleflex MX	BT 500 IS-1
Teleflex T 30E	MMG 10 in 1 kV mode
Teleflex SX	works with all burn units
Teleflex VX	works with all burn units

TECHNICAL DATA*

ETF 3

Maximum burn voltage	3 kV
Maximum burn current	10 A
Dimensions	360 x 180 x 220 mm
Weight	approx. 15 kg

ORDERING INFORMATION

Product	Order no.
ETF 3	820026678

* We reserve the right to make technical changes.

GERMANY

Megger GmbH
Obere Zeil 2
D-61440 Oberursel
T +49 6171 92987 0
F +49 6171 92987 19
info@megger.de

Seba Dynatronic
Mess- und Ortungstechnik GmbH
Dr.-Herbert-lann-Str. 6
96148 Baunach
T +49 (0) 9544 680
F +49 (0) 9544 2273
team.dach@megger.de

Hagenuk KMT
Kabelmesstechnik GmbH
Röderaue 41
01471 Radeburg
T +49 (0) 35208 840
F +49 (0) 35208 84249
team.dach@megger.de

CERTIFICATION ISO

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