

Type:

## Cable tester unit HCK 800M - 13000



**F.u.G. Elektronik GmbH**

Florianstr. 2  
D - 83024 Rosenheim

**Low and High Voltage  
Power Supplies**

**DIN EN ISO 9001**

Tel. : +49(0)8031 2851-0  
Fax : +49(0)8031 81099

eMail:  
info@fug-elektronik.de

Internet:  
<http://www.fug-elektronik.de>



### Special Features

- High voltage source for isolation test
- Up to ten conductors can be tested for isolation between each pair of them
- Low voltage constant current source for continuity test
- Integrated microprocessor control for test algorithm
- HV- relay matrix for switching over of conductors under test
- Forced discharge of the conductors
- Monitoring of all conductors for residual voltage
- Expensive interlock and safety functions including warning lamp at the top
- IEEE488 interface
- Possible modes of operation "Manually", "Automatically" or input via IEEE488

### Displays

3½ digit displays for voltage and current

### Modes of Operation

- "Manually" with adjustment of voltage and current by means of ten turn potentiometers and manual switching over between conductors;
- "Automatically" with running a pre-installed testing program by means of a microcontroller system;
- External control via IEEE488 interface and control of all testing procedures by a computer program.

### Technical data

Mains supply: 230 V  $\pm$ 10%, 47 - 53 Hz

Output of high voltage unit: 0 - 13000 V; 0 - 120 mA,

Discharging time of high voltage output (including the cable under test):  
< 1sec. when switched of or mains failure

Output of constant current source:  
const. 10 mA at up to 70 V

Continuity test with adjustable windows discriminator between 0 and 2500  $\Omega$  (upper and under threshold independently adjustable)

### Design

19" cabinet 2000mm high, 800mm deep

### Application

Automatic test of cables in a cable manufacturing plant.