

Experience the world of  
Megger electrical testing



## POWERful TOOLS for your challenges in a modern cable infrastructure

Megger's innovative products make it possible to quickly localise cable faults without causing damage to fault-free parts of the cable. Integration of renewable energy sources and restructurisation of the distribution grid is asking for smart and integrated solutions to cope with **overload situations, intermittent faults, grid** and **power quality**.

### Energy Tool Segments



Cable Fault Location

Prelocation

Pinpointing



Cable Tracing



Cable and Phase Identification

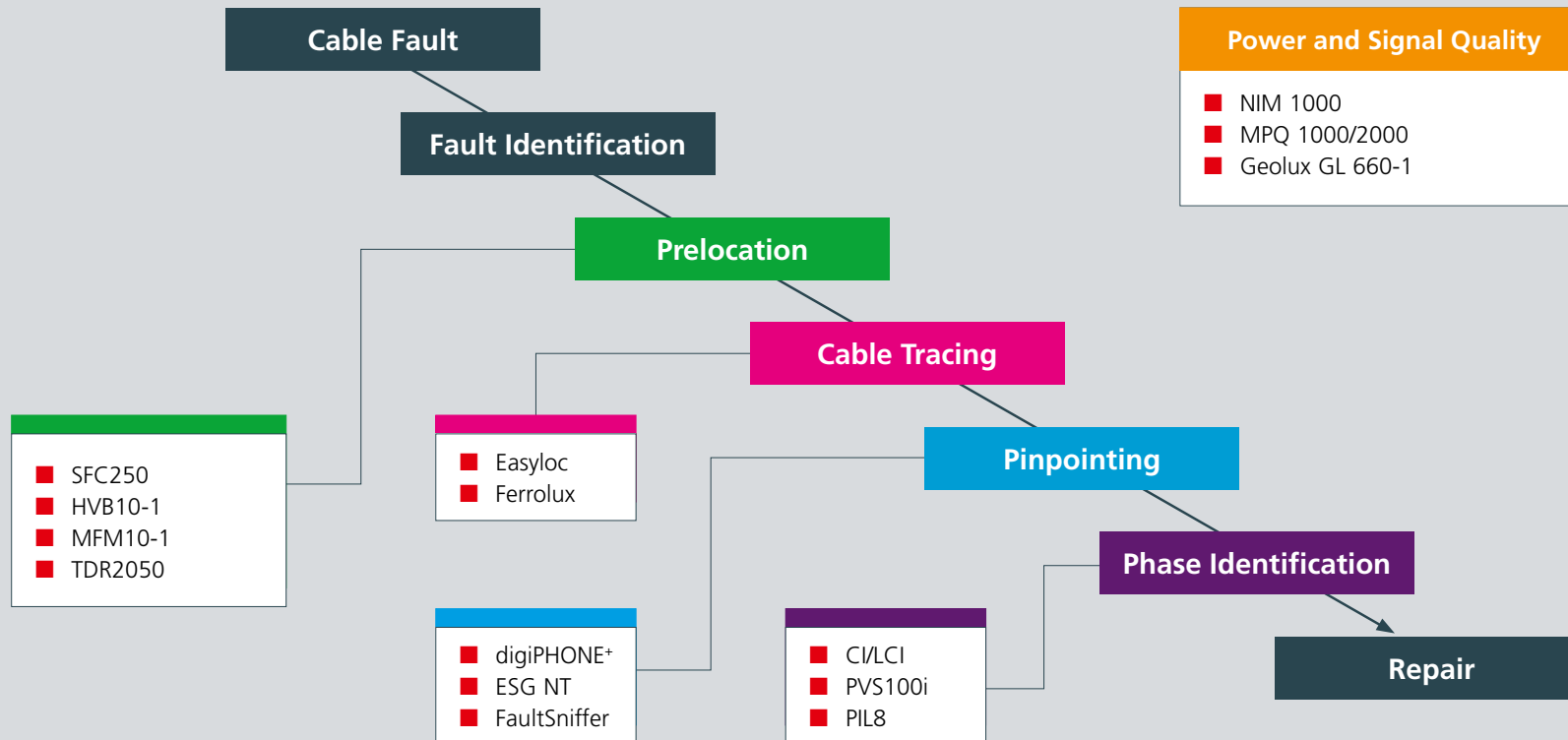


Power and Signal Quality

Fault location sequence

?

## Fault location sequence

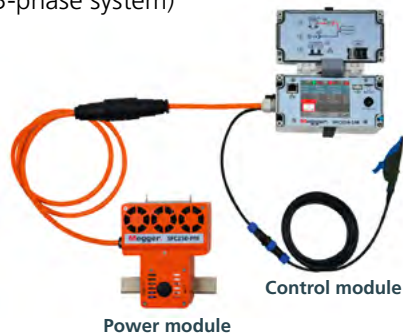


## Cable Fault Location – Prelocation



### SFC250

All-in-one-solution for the LV network  
(available as 1-, 2- and  
3-phase system)



[datasheet](#)

### HVB10-1

Highly accurate high-voltage bridge  
designed to locate cable and sheath  
faults



[datasheet](#)

### MFM10-1

Mobile, battery operated sheath  
test and fault location system  
up to  $\pm 10$  kV DC



[datasheet](#)

### TDR2050

Advanced dual channel  
reflectometer with STEP-TDR  
included



[datasheet](#)

Application

Fault location where consumers have to  
stay connected

Locate high resistance faults even on very  
long or piped cables

Specialized in DC sheath testing and  
sheath fault location

Easy location of shorts, interruptions,  
cable ends and joints in street light  
systems and illegal taps

Prelocation

Pinpointing

Cable Tracing

Phase Identification

Power / Signal Quality

?

## Cable Fault Location – Pinpointing



### digiPHONE+

Surge wave receiver for acoustic and electromagnetic fault pinpointing



Ready to be  
used with  
SFC250

[datasheet](#)

### ESG NT

Sheath fault pinpointer with integrated noise suspension



Ready to be  
used with MFM10  
and HVB10

[datasheet](#)

### FaultSniffer

Sensor for gases given off when cable insulations starts to break down



Ready to be  
used with  
SFC250

[datasheet](#)

Application

Pinpointing in noisy urban environment by application of innovative audio filtering concepts

Accurate pinpointing without detailed knowledge on the cable trace by use of history mode

Location of intermittent faults even hours after they have occurred; fault location with consumers staying connected

Prelocation

Pinpointing

Cable Tracing

Phase Identification

Power / Signal Quality

?

## Cable Tracing



### FL10 + DEB3-1

Systematic line and fault location  
based on audio frequency



[datasheet](#)

### Easyloc

Utility location system to detect and  
trace cable runs and pipe networks



[datasheet](#)

### FLG50 / FLG200

Audio frequency generators to be  
used for cable and pipe location,  
cable fault location and cable  
identification



Application

Tracing of cables and pipes incl.  
information on depths;  
cable fault location

Quick and easy tracing tasks in a rough  
environment

Reliable location even with other cables in  
close proximity;  
multi-frequency operation simultaneously

Prelocation

Pinpointing

Cable Tracing

Phase Identification

Power / Signal Quality

?

## Cable and Phase Identification



### Cable Identifier - CI/LCI

Reliable cable selection on energised and de-energised cables



[datasheet](#)

### PVS 100i

Phase identification at all voltage levels in real time



[datasheet](#)

### PIL 8

Phase identification in earthed and short-circuited medium voltage cables



[datasheet](#)

Application

Safest identification of a cable before it is cut or fitted inside man holes

Avoid faulty switching;  
assure safe interconnection of grid sections

Safe fitting of medium voltage cables

Prelocation

Pinpointing

Cable Tracing

Phase Identification

Power / Signal Quality

?

## Power and Signal Quality



### NIM1000

Highly accurate net impedance meter



[datasheet](#)

### MPQ 1000/2000

Highly intuitive, advanced portable 3-phase power analyzer, power meter and transient recorder in one single instrument.



[datasheet](#)

### Geolux GL 660-1

Earth fault locator for fault location in isolated systems



[datasheet](#)

Application

Indicating weak spots in the grid;  
neutral faults;  
validation of design data

Complete solution Power Quality analysis on  
for public networks combined with robust  
design

Fault location on important control,  
signal and supply systems, such as railway  
installations, hospitals or other industrial  
facilities

Prelocation

Pinpointing

Cable Tracing

Phase Identification

Power / Signal Quality

?

Experience the world of  
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## Contact



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Looking for another solution?  
Don't hesitate to contact us!

[en.megger.com/contact-us](https://en.megger.com/contact-us)

More information:

Cable Fault Location in Medium Voltage Networks

Cable Testing & Diagnostics