Wire break detector - Mastech MS6818 vs. FLUKE F2042

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Application: used for maintenance and check for communication cable, electrical power cable, construction pipe and hot project, etc. Especially suitable for finding open or short circuit for cable or metal pipe, fuse or socket or junction box location and so on.

Transmitter, built-in AC/DC detecting function, can show transmitting power, code, battery status, detecting voltage value and warning signal. Receiver can scan and check the frequency automatically, also can show the information from transmitter too.

Both transmitter and receiver have mute function, especially for the place need to be quiet, for example, hospital.

MS6818 electrical power wire cable Metal pipe Locator Tester break point Detector compared with FLUKE F2042 up to 200cm

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Features:

1. Detecting cables, electrical lines, water/gas supply pipelines buried in wall or earth;

2. Detecting interruptions and short circuit in cables and electrical lines buried in wall or earth;

3. Detecting fuses and assigning current circuits;

4. Tracing sockets and distribution sockets having accidentally been covered by plastering;

5. Detecting interruptions and short-circuits in floor heating;

6. The transmitter is integrated with the functions of AC/DC voltmeter,

which can measure 12 to 400V AC/DC voltage on a linear basis:

AC~: 12 to 400V (50 to 60Hz)±2.5%

DC-: 12 to 400V ±2.5%

7. The screen of the transmitter can display preset transmitting power, transmitted codes,

its own battery energy, mains voltage detected, AC/DC status of mains voltage detected,

and warning symbol for mains voltage.

8. The transmitter has the functions of self-inspection to detect its own working status and to display it on the LCD screen for user’s reference.

9. The screen of the receiver can display the transmitting power of the transmitter, transmitted codes,

energy of the transmitter’s and its own batteries, AC voltage induced signal detected

and warning symbol for mains voltage.

10. The sensitivity of the receiver can be adjusted either manually or automatically.

11. The receiver can sweep frequency automatically.

12. Both the transmitter and the receiver can work under mute mode.

13. The receiver is available with automatic shut-down(it is powered off automatically over 10 minutes of absence of keystroke).

14. The receiver’s LCD screen is provided with back-light for application in poor light.

15. Both the transmitter and the receiver are provided with flash-light function when working in darkness.

16. Additional transmitters are available to extend or distinguish several signals.

17. Compactness, durability and portability.

MS6818-T transmitter unit and MS6818-R receiver unit (can be sold separately);
Finds for open or short cable, metal conduit in the wall/earth or under the floor;
Tracks for cable for metal conduit in the wall/earth or under the floor;
Finds for covered fuse, safeguard, socket or junction box;
Displays power level, code, battery status, voltage of cable in transmitter & receiver;
Display voltage range from 12-600V DC or AC, accuracy +-2.5%;
Adjustable receiver's Sensitivity;

Key tone and beep On/Off switch;
Torch light built in transmitter;
One receiver can connect two transmitters with different codes
Used for construction and maintenance of communication cable, electric power cable, architecture, heating project etc..;
Safety as per IEC1010-1 Cat III 600V
Depth of Track: depends on material
Single pole application: about 0-200cm
Dual-pole application: 0-50cm

Single loop line: up to 250cm

Technical parameters of transmitter

Output Signal

125 kHz

External voltage identification range

DC 12-400V ±2.5%; AC 12-400V(50-60Hz)±2.5%

Display

LCD, with function display and column chart

External voltage's dielectric strength

Max.400V AC/DC

Over-voltage type

CAT III 300V

Pollution degree

2

Power supply

1x9V, IEC 6LR61

Power consumption

Min. current about 31mA

Max. current about 115mA

Fuse

F 0.5A 500V, 6.3x32mm

Range of temperature

In work, 0? to 40?, with max. RH of 80%

(non- condensation)

In storage, -20? to 60?,with max. RH of 80%

(non- condensation)

Altitude

Max.2000m

Dimensions(HxWxD)

190mmx89mmx42.5mm

Weight

Approx. 420g, including batteries

Technical parameters of receiver

Depth of tracking

The depth of tracking depends on the material &

specific applications

Cable locating mode

Single pole application: about 0-2m

Dual-pole applications: about 0-0.5m

single loop line: up to 2.5m

Grid voltage identification

About 0-0.4m

Dsiplay

LCD, with function display and column chart

Power supply

6x1.5v AAA, IEC Lr03

Power consumption

Min. current: about 32mA

Max. current: about 89mA

Range of temperature

In work, 0? to 40?, with max. RH of 80%

(non- condensation)

In storage, -20? to 60?,with max. RH of 80%

(non- condensation)

Altitude

Max. 2000m

Dimensions(HxWxD)

241.5mmx78mmx38.5mm

Weight

Approx. 350g, including batteries

SPECIFICATIONS

Features:

Conformance to IEC61010-1 CAT III 600V

Display
1999 Counts

Diode Check
?

Continuity Check
?

Auto/Manual range

?

Data Hold
?

Max value Measurement
?

Back light
?

Telephone Check
Identify the state for the working telephone line: Busy, Ringing or Clear

Tone
Judge continuity of the cables or wires.

Track the cables or wires, and diagnose the break point.

NetCable Check
Test for open circuits, Shorts, miswires, reversals, split pairs and LCD display the test results.

SHIELD detection tests a cable's shield integrity.

Main unit and one remote allow one person testing of T568A, T568B, 10Base-T.

Easy to read fault display and high speed testing.

Debug mode for detailed fault identification result.

Low Battery Indication
?

Auto Power Off
?

None Contact Voltage Detect
?

Power Supply
9V(6F22)

Dimension
186(L) x 88(W) x 55(H)mm

Weight
Approx. 400g

Function:

Range

Accuracy

DC Voltage
200mV/2V/20V/200V/600V
0.7%rdg+3dgt

AC Voltage
200mV/2V/20V/200V/600V
0.8%rdg+5dgt

DC Current
200uA/2000uA/20mA/200mA
1.2%rdg+5dgt

2A/10A

2.0%rdg+5dgt

AC Current
200uA/2000uA/20mA/200mA
1.5%rdg+5dgt

2A/10A

3.0%rdg+5dgt

Resistance
200?/2k/20k/200k/2M/20M
1.0%rdg+3dgt

Package:

Accessories:

1) Crocodile clamps: 2pcs

2) Test leads: 2pcs

3) test probe

4) Grounding rod;

5) Portable bag;

6) English manual;

Click here to download the manual:

http://www.aidetek.com/New_products_info/Datasheet/huayi/MS6818_enlglish_manual.pdf