

## STANDARDISATION

Std NF EN 50082.1 CEM.  
(Electromagnetic Compatibility)



Std NF EN 61010 Electrical Security.

## ELEMENTS

- 1 carrying case.
- 1 earth spike.
- 2 connecting cables.
- 1 probe.
- 1 user's manual.

## GUARANTEE

The **TESTECRAN+** is guaranteed for one year from the date of supply noted on the back of the instrument.

A maintenance contract can be contracted on purchase.

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# TESTECRAN+

## USER'S MANUAL



## APPLICATION

**TESTECRAN+** instrument verifies the condition of the exterior sheath of an HV or LV buried cable, by measuring the insulation resistance between the screen and earth.

## PRESENTATION



Within the framework of the **QUALITY ASSURANCE** program, **TESTECRAN+** is recommended for checking buried HV & LV cables. **TESTECRAN+** offers protection against vandalism and placement errors.

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## WORKING

The operation of **TESTECRAN+** is completely automatic. The patented operation principle is based on measuring the insulation resistance between the cable screen and earth.

MADE-S.A. has the exclusive right to the application of this patent.

## SETTING UP

### 1-CONNECTING TESTECRAN+ :

NON-EARTHED END



- One **END** of the cable must be insulated from earth, check that it is clean & dry. The other **END** must be connected to **TESTECRAN** as shown in figure 1.
- These measurements are carried out before the installation of the connection boxes.

Taking the measurements does not require discharging the cable.

## 2-OPERATION :

- Press **ON** and the test procedure runs automatically.
- The **DISCHARGE** lamp lights brief.
- The **MEASUREMENT** lamp flashes as the measurement is made.
- If the **MEASUREMENT** lamp does not light, the cable is short -circuited. The **Cable Fault** lamp lights and the buzzer sounds.
- The **Cable OK** lamp lights, the cable is fit for service.
- If the **Cable Fault** lamp lights and the buzzer sounds, the cable is defective.

**Note** : the length of time that the **MEASUREMENT** lamp flashes, gives an approximate indication of the length of the cable. An average of 20 seconds per mile, according to the type of cable and soil.

## IF THERE ARE PROBLEMS

Before use, check the date of next required maintenance on the back of the instrument.

- If the **Battery Fault** lamp lights, change the batteries.
- If the **Internal Fault** lamp lights, return the instrument to **MADE S.A.** for checking and repair.

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