

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

MEGGER

DET14C

DIGITAL EARTH CLAMPS

Used with the applicable Megger DET earth clamp testers configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Megger DET14C and DET24C User Guide

USER GUIDE

Megger[®]

DET14C and DET24C

Digital Earth/ground clamp testers



Register →
megger.com/register



📖 A User Guide →



Support →
megger.com/support



EN
ENGLISH

2. Safety warnings and standards

These safety warnings must be read and understood before the instrument is used. Retain for future reference.

2.1 Warnings, Cautions and Notes

This user guide follows the internationally recognised definition. These instructions must be adhered to at all times.

Description

WARNING : Indicates a potentially dangerous situation which, if ignored, could lead to death, serious injury or health problems.

CAUTION : Indicates a situation which could lead to damage of the equipment or environment

NOTE : Indicates important instructions to be followed to perform the relevant process safely and efficiently.

2.2 Safety warnings

- Safety warnings and precautions must be read and understood before the instrument is used. They must be observed during use.
- Do not leave the instrument connected to the system under test when not in use.
- Do not touch circuit connections and exposed metalwork of the installation or equipment under test.
- Do not use the instrument or connect it to any external system if it shows any visible signs of damage, malfunction or if it has been stored in unfavourable conditions.
- Always keep body parts behind the tactile barrier on the handles of the instrument.
- Always inspect the instrument prior to use. Replace any defective parts immediately or return the instrument to an authorised service centre for repair.
- Do not use the instrument or connect it to any external system if the casing is open or any parts of the case are missing.
- Do not use rechargeable batteries in this instrument.
- Always use caution when clamping the instrument around energised electrical conductors.
- Always use extreme caution when clamping around bare conductors: under fault conditions, high voltages and currents may be present and may pose a shock hazard.
- The instrument is not suitable for measuring AC currents in multi-core cables or DC currents.
- The instrument should not be used if any part of it is damaged.
- This instrument is not intrinsically safe and must not be used in hazardous atmospheres.
- If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- Use extreme caution when using the instrument in proximity to bare conductors. Avoid contact between the metal in the jaws and bare conductors. A short circuit would create an arc-flash explosion hazard

2.2.1 Installation category definitions:

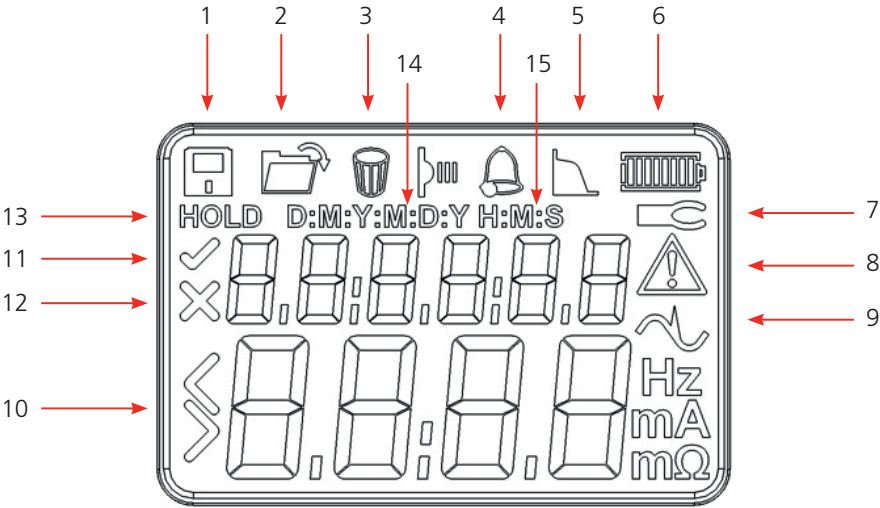
CAT IV - Measurement category IV: Equipment connected between the origin of the low-voltage mains supply and distribution panel.

CAT III -Measurement category III: Equipment connected between the distribution panel and electrical outlets.

CAT II - Measurement category II: Equipment connected between the electrical outlets and user's equipment.

Measurement equipment may be safely connected to circuits at the marked rating or lower. The connection rating is that of the lowest rated component in the measurement circuit.

3.2 Display layout



Item	Description	Item	Description
1	Save	9	Signal noise detected
2	Open	10	More than / Less than
3	Delete	11	Tick = set
4	Alarm	12	Cross = not set
5	Filter	13	Hold
6	Battery	14	Date formats
7	Clamp open	15	Hours, minutes, seconds
8	Warning. Refer to user guide		