Intrinsically-Safe Non-Contact AC Voltage Detector VOLT-Ex 20

For checking alternating voltages in Ex-hazardous areas
- EEx d-enclosures
- EEx e-terminal boxes
- EEx e-terminals & cables

Detection of cable breaks in Ex-hazardous areas

AC voltage detection:
- contactless operation
- 24V…750V AC

Indication:
- visual signal
- acoustic signal

Ex-data:
Ex designation:
⟨Ex⟩ II 2 G EEx ia IIC T4

EC-Certificate of Conformity:
PTB 01 ATEX 2019

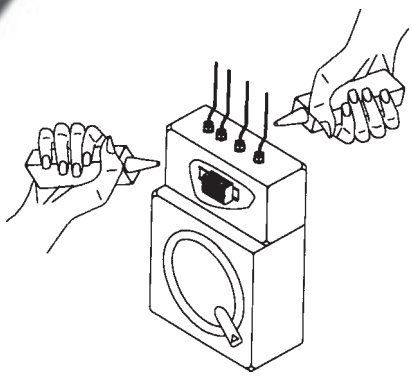
The VOLT-Ex 20 is suitable for detecting alternating voltages up to 750 V without the need for direct contact with the source.

Health and Safety rules stipulate that a circuit must be isolated and potential free before work can be carried out. In hazardous areas this requirement is absolutely essential.

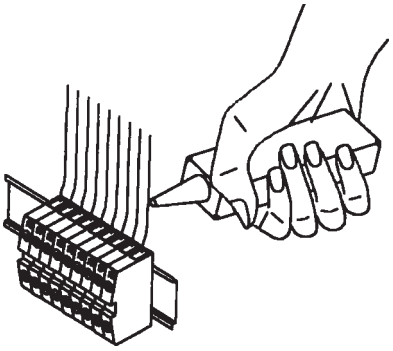
The user can simply touch the parts that could possibly carry voltage with the probe of the Volt-Ex 20. As soon as an alternating current has been detected an LED will flash and an audible tone generated. Using the Volt-Ex 20, it is possible to detect where there are breaks in circuits in hazardous areas.

EEx d and EEx e enclosures and terminal boxes must be checked for residul voltage before opening in hazardous areas. The user check this by touching the cable glands on the enclosures with the probe of the Volt-Ex 20.

The absence or presence of any remaining voltage can be approximatively detected by means of a comparative measurement system through modification of the flash and sound frequency.



With the help of the Volt-Ex 20 it is easy to decide whether a single lead carries voltage, whether an Ex fuse has blown or whether phase and earthing have been interchanged.



Technical data:

Range:	24V ... 750V AC
Operating temperature:	-20°C ... +50°C
Storage temperature:	-40°C ... +60°C
Battery type:	9V block 6LR61 as per IEC
Indication:	visual & acoustic
Dimensions:	170 x 40 x 30 mm
Weight:	approx. 150g (with battery)