



H276 HD / 276S HD

High Voltage Detector

CE



H276S HD

CAC-276S

300(L)x55(w)x55(D)mm

H276 HD

This Model H276HD detects the presence of voltage in AC lines. An elongate insulation rod permits checking of high tension circuits at safe distance for voltage. The equipment is compact, light weight, and easy to handle, and is also available for voltage detection in low-tension circuits.

FEATURES

- Telescopic, compact, light-weight
The length is elastic from 354mm to 1005mm, The Equipment is light-weight (180g), easy to handle, and handy to carry.
- High-voltage detectable
The equipment, whether in stretched state is available for voltage detection in high-tension circuits (3.3kV, 6.6kV and 24kV) whether the wires involved are naked or insulated.
- Low-voltage detectable
The equipment can be used for voltage detection in low-tension circuits (80V ~ 600V) by holding the nameplate portion of the detecting head. Before-use check can easily be done by plugging in an AC 100V plug socket, without using a tester.
- Easy to recognize indication
Intermittent lighting in red of a high intensity light-emitting diode and intermittent audible sound of an electronic buzzer are readily recognizable at a full daylight, noisy location.
- Waterproof
The detecting head, being tightly enclosed, is free from any trouble due to dust, dirt, water or the like.
- Meets EN 61010-1 EN 50081-1 EN 55082-1
EN 55022 EN 61000-4-2 EN 61000-4-3

RATINGS AND SPECIFICATIONS

■ Working voltage range :

H.V. : 3kV~24kV AC..... hold grip portion to detect.
L.V. : 80V~600V AC..... hold nameplate portion to detect.

■ Frequency : 50Hz / 60Hz

■ Operation Test : (Initial voltage)

(a) When stretched, hold the grip portion.

Put the sensing tip in contact with the voltage : 250V AC \pm 0V the LED and buzzer should work.

(b) When retracted, hold the nameplate portion.

Put the sensing tip in contact with the voltage : 80VAC or below the LED and buzzer should work.

■ Operation start distance

Distance at which operation starts when front metal is brought near \varnothing 5mm O.C. wire with grip portion held by hand.

Where 24kV / \varnothing 3mm (voltage to ground)abt 20cm.
Where 6.6kV / \varnothing 3mm (voltage to ground)abt 3cm.
Where 3.3kV / \varnothing 3mm (voltage to ground)abt 1cm.

■ Dielectric Strength :

(a) Between Sensing tip ~ Grip portion : 50kV AC, 1 min
(The detector has to be stretched)

(b) Between Sensing tip ~ Nameplate portion : 4kV AC, 1min.

■ Construction :

Waterproof (detecting head impervious to water).

■ Insulation resistance :

Measure the insulation resistance with the high voltage insulation tester.

The areas we measure are the same as Dielectric strength test.

(a) Between Sensing tip ~ Grip portion : 1kV
(The detector has to be stretched)

The insulation resistance has to be more than 2000 M Ω

(b) Between Sensing tip ~ Nameplate portion : 1kV The insulation resistance has to be more than 2000 M Ω

■ Leakage Current Test :

Put high voltage on the parts listed below.

(a) Between Sensing tip ~ Grip portion : 50kV AC, 1 min
(The detector has to be stretched)

The leakage current has to be 100 uA or less than 100 uA

(b) Between Sensing tip ~ Nameplate portion : 4kV AC, 1min. The leakage current has to be 100 uA or less than 100 uA.

■ Working temperature range : -10°C ~ +50°C

■ Battery : 2 button-cells LR44(1.5V)

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