



ADD™ instrument

## ADD™

### Online Direct Contact PD Test System

The ADD™ allows online partial discharge detection on medium voltage accessories such as: Arresters, dry type transformers, bushings, insulators, etc... The partial discharge level is displayed by visual and audible indicators. The remote display module also allows to read the levels from a great distance for maximal safety.

#### FEATURES

- ⚡ Three levels default indication
- ⚡ Two zones (scale of default)
- ⚡ Visual and audible indication
- ⚡ All-Check self-test for verifying proper operation prior to use
- ⚡ Built-in universal hotstick adaptor
- ⚡ Powered by 9V alkaline battery
- ⚡ Carrying case included
- ⚡ Low battery indication
- ⚡ Lightweight design
- ⚡ Special design for HV live contact

#### SAVE TIME AND MONEY

The ADD™ is designed to detect partial discharge in medium voltage components by direct contact on energised conductors. We developed a contact method using ultra wide band radio frequency detection technology. Using the ADD™ on a regular basis will help you to prevent failures, customers complain and costly investigation to identify the source of a problem or potential problems.

#### EASY TO USE

The ADD™ operation is quite simple. The probe is placed in direct contact with the energised component under test. The partial discharge level is displayed on the ADD™ and on the remote display.

#### REMOTE DISPLAY

The remote display gives a wireless reading of the probe's measurement. The measurement range is 0 to 60dB and the display will show "OL" if the reading is over its maximum.

#### CORONA EFFECT INFLUENCE

The ADD™ efficiently filters the influence of corona type activity thus making it an ideal tool to detect insulating material internal partial discharge.



Hook and Y type  
probes are available

## PROBE MODULE TECHNICAL SPECIFICATIONS

<b>Line Voltage</b>	up to 45kV phase-ground/neutral (69kV phase-phase)
<b>Casing dielectric</b>	20kV maximum
<b>Power Supply</b>	9V alkaline battery (PP3 Type)
<b>Autonomy</b>	10 hours with continuous measurement
<b>Auto shut-OFF</b>	15 min
<b>Dynamic range</b>	0-60 dB
<b>Handling</b>	Compatible with hotstick universal end fitting
<b>Weight</b>	0.2kg (0.4 lbs)
<b>Operating temperature</b>	-20°C to 55°C (-8°F to 131°F)
<b>Storage temperature</b>	-40°C to 75°C (-40°F to 167°F)

## REMOTE DISPLAY TECHNICAL SPECIFICATIONS

<b>Display</b>	3 digits
<b>Power Supply</b>	9V alkaline battery (PP3 Type)
<b>Weight</b>	0.2kg (0.4 lbs)
<b>Operating temperature</b>	-20°C to 55°C (-8°F to 131°F)
<b>Storage temperature</b>	-40°C to 75°C (-40°F to 167°F)



Arrester test with the ADD™

## INSULATION FAULT DETECTION

Arrestors faults are an important factor in degradation and reduction of the lifetime of a medium voltage component. This translates into raised exploitation costs and questionable reliability, while economic performance and reliability are key criteria in the evaluation of an electricity supplier. It is important that an electric utility have a widespread, quick and efficient tool to check for quality and health of its electrical network.

Arrestors are important for the protection of electric circuits and the degradation of their insulating material affect their performance and reliability. If the insulation of the arrester is reduced when an over-voltage occurs, it may fail and cause more damages thus creating expenses for the electric company and their clients.



ADD™ remote display

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