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## Test & Measurement

- > sales
- > rentals
- > calibration
- > repair
- > disposal

## Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

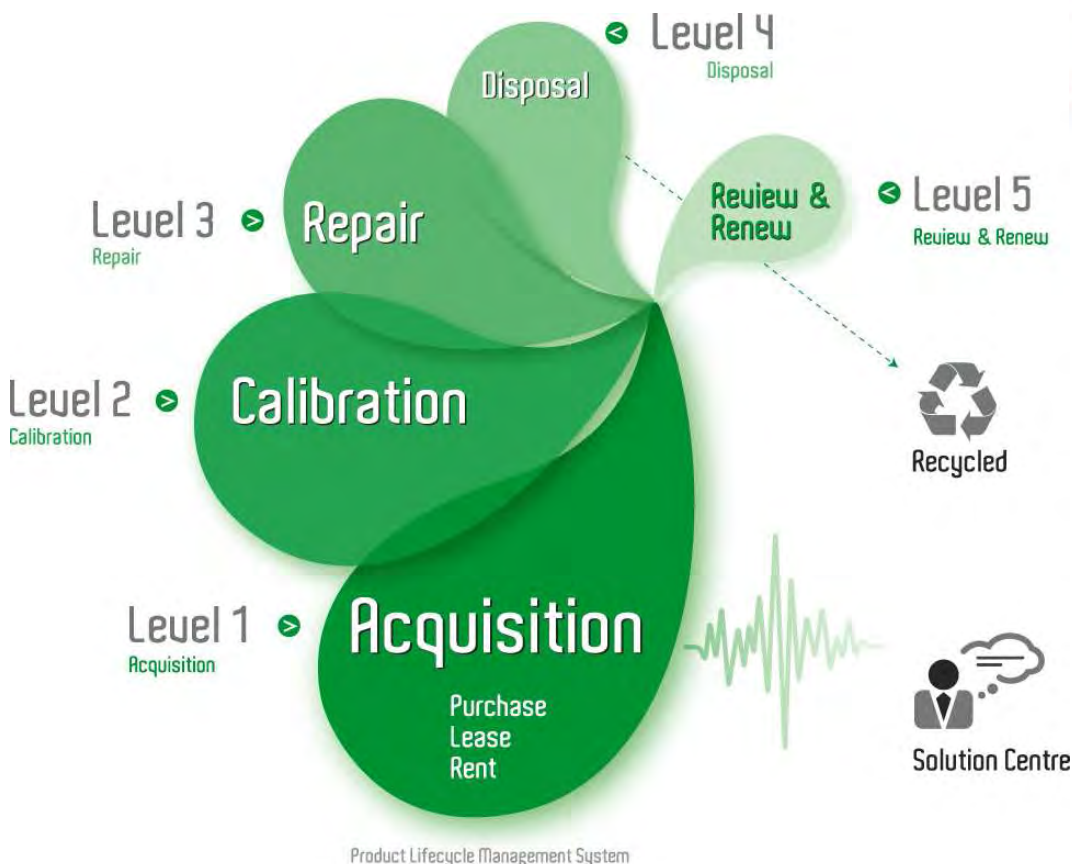
TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the "Click-to-Call" logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



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# HIPOTS : RESONANCE SYSTEMS



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# HIPOTS : RESONANCE SYSTEMS

## TYPES AVAILABLE:

- Frequency adjusted Series Resonant Testers
- Inductance adjusted Series Resonant Systems
- Power Frequency Resonance Systems

## FREQUENCY ADJUSTED SERIES RESONANT SYSTEMS: 'UDEY-XPT'

These are mainly used in AC with stand voltage testing and partial discharge testing of large capacitance power equipments. The resonance frequency is between 20 Hz to 300 Hz and can be used to test power frequency equipments. These can also be used in partial discharge testing of power equipments like mutual-inductor, couple capacitance, ZnO lightning arrestors etc..

Performance:

Small capacity, light weight

High value of 'Q'

The input capacity of power supply is  $1/Q$  of the output capacity

Small partial discharge

No transient overvoltage after flashover

Range: 200-30,000kVA / 200-2000kV

## INDUCTANCE ADJUSTED SERIES RESONANT SYSTEMS: 'UDEY- GYK'

These are mainly used in AC with stand voltage testing and partial discharge testing of large capacitance power equipments .

Performance:

Small capacity, light weight

High value of 'Q'

The input capacity of power supply is  $1/Q$  of the output capacity

Small partial discharge

No transient overvoltage after flashover

Resonance is broken when discharge begins.

Short current falls to minimal value automatically, so there is small short current passing through fault.

Range: 300-1200kVA / 12-100kV

## POWER FREQUENCY RESONANCE TEST SYSTEMS: 'UDEY- XYD'

These are mainly used in AC with stand voltage testing of power cables, generators, power capacitors and large capacitance equipments.

Performance:

Small capacity, fine voltage wave form

Change of inductance can create resonance with big capacitance by adjusting iron core gap.

The input capacity of power supply is  $1/Q$  of the output capacity

Small partial discharge

No transient overvoltage after flashover

Low noise

Range: 150-15,000kVA / 150-1500kV