ea technology

product catalogue 2013

instruments

accessories

upgrades

spares

servicing

+44 (0)151 339 4181

issuethree

sales@eatechnology.com

www.eatechnology.com

THE QUEEN'S AWARDS FOR ENTERPRISE 2011

Worldwide sales: Distributors in over 40 countries with offices in
UK • UAE • Australia • China • Singapore • USA

Delivering Innovation in **Power Engineering**

who we are

EA Technology Instruments is a specialist Business within the EA Technology Group, working to meet the needs of power asset managers around the world.

Our mission is to produce leading edge, innovative products, which add tangible commercial benefits to the businesses of our customers.

Our products are designed to improve the performance of assets by extending life, increasing throughput, maximising availability and reducing operating costs.

We support all the instruments we supply with:

Training – we are a member of the Continuous Professional Development Certification Service, running a wide range of courses for power asset engineers and managers.

Spares and repairs – we have full spares backup and workshop facilities.

Maintenance – including periodic instrument checks and calibration.

Upgrades – we can update many of our older instruments to the latest versions.

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contact details

Head Office

EA Technology
Capenhurst Technology Park
Chester CH1 6ES
United Kingdom

t +44 (0) 151 339 4181
f +44 (0) 151 347 2404

International Offices

Eastern US Regional and Corporate Office

Mr Zee Zamora
1001 E. Baker St., Suite 200
Plant City, FL 33563

t +1 813 752 6051
c 863-660-4742
e zee.zamora@eatechnologyusa.com

Central US Regional Office

Vincent Demaio
11490 Westheimer, Suite 850
Houston, Texas 77077

t +1 713 425 6395
c 832-691-0557
e vincent.demaio@eatechnologyusa.com

Western US Regional Office

Dustin Ashliegh, Sales Manager

t +1 541 498 2226
c 503-964-9276
e dustin.ashliegh@eatechnologyusa.com

North Central and North East US Regional Office

Carl Barwick
1001 E. Baker St. Suite 200
Plant City, FL 33563

c 414-530-5850
e carl.barwick@eatechnologyusa.com

Middle East Office

Alan Preece, Manager
P.O. Box 46153
Abu Dhabi, UAE

t +971 2 673 5326
f +971 2 673 5326
m +971 50 2209162
e alan.preece@eatechnology.com

Australia Office

Dr Keith Beven, Managing Director
EA Technology Australia
7/34 Commercial Road
Newstead QLD 4006

Mail address: PO Box 2086
Fortitude Valley BC QLD 4006

t +61 07 3257 3096
f +61 07 3257 3098
m +61 07 3990 1450
e keith.beven@eatechnology.com.au

China Office

Dr Yuan Tian, Manager
20/F Mirae Asset Tower
166 Lujiazui Ring Road
Pudong
Shanghai 200021, China

t +86 (0)21 5174 8848
f +86 (0)21 5174 8777
e chinaoffice@eatechnology.com

Singapore Office

Victor Chan, Managing Director
EA Technology Asset Management Pte Ltd
8 Ubi Rd 2, Zervex, #03-08
Singapore 408538

t +65 6634 3591
m +65 9438 1061
f +65 6634 3590
e Victor.Chan@eatechnology.sg

partial discharge instruments

AWARD WINNING PD INSTRUMENT

THE QUEEN'S AWARDS
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2011

UltraTEV Detector™

PRODUCT CODE: UT2

The world's first dual sensor handheld partial discharge detection instrument is a global best seller, which is in service from Houston to Hong Kong.

benefits

- Highly effective in 'first pass' asset condition surveys
- Very low training requirement
- Essential personal safety device
- Low cost, high productivity

features

- Ultrasonic and TEV detectors in a single handheld unit
- Calibrated to detect critical PD activity instantly
- One button operation
- Light, portable and easily deployed

Note: *all mains-powered instruments are available with plugs to suit local requirements.*

UltraTEV *Detector*

accessories and options

UltraTEV Calibration Checker™

Save time and money with this handy unit. It instantly checks whether your UltraTEV Detectors™ are correctly calibrated – so they only need sending to us for adjustment when necessary. The Calibration Checker itself only needs calibrating after 12 months

PRODUCT CODE: UTCC

Function Checker

Instantly checks whether your UltraTEV Detector™ is functioning correctly

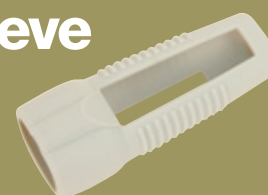PRODUCT CODE: UT2-FC

UltraTEV Case

Dedicated carry case for the UltraTEV Detector™

PRODUCT CODE: UT2-CAS

Rubber Sleeve

PRODUCT CODE: UT2-RS

In-Car Charger

12V battery charger for the UltraTEV Detector™

PRODUCT CODE: UT2-CC

Battery Charger

Mains battery charger for the UltraTEV Detector™

PRODUCT CODE: UT2-BC

service packs

UltraTEV
service pack 1

Add-on for UltraTEV Detector™ and UltraTEV Plus+™ owners includes:

- Benchmark PD Survey of up to 30 assets

- On-site training in use of UltraTEV Detector™ or UltraTEV Plus+™

- 12 month technical support

- FREE instrument calibration after 12 months

Direct sales: +44 (0) 151 339 4181   sales@eatechnology.com

partial discharge instruments

BEST SELLER

UltraTEV Plus+™

Multi-functional Partial Discharge (PD) investigator

PRODUCT CODE: UTP1

All the features of our award-winning UltraTEV Detector™ - plus a great deal more.

benefits

- Measures accurate data on PD activity.
- Works with many different types of assets
- Highly user friendly with little training required
- Low ownership cost - one instrument replaces several
- Excellent value and return on investment

features

- The core functionality of our UltraTEV Detector™ and UltraMet Plus+™ – all in one hand-held instrument!
- Detects and measures PD activity as numerical values for both ultrasonic and TEV emissions
- Menu-driven backlit colour screen and keypad, with multiple functions
- Locate and listen to ultrasonic PD activity with headphones included
- Switchable modes: one-shot PD detection or continuous measurement

Kit 1   PRODUCT CODE: UTP1 Kit 1

Inc. Function Checker, Clip-on Headphones, Battery Charger and Systainer Carrying Case with high density foam insert.

Kit 2   PRODUCT CODE: UTP1 Kit 2

Inc. Peltor Neckband Headset, Ultrasonic Contact Probe, Flexible Sensor, Function Checker, Battery Charger and Systainer Carrying Case with high density foam insert.

Kit 3   PRODUCT CODE: UTP1 Kit 3

Inc. Peltor Neckband Headset, Ultrasonic Contact Probe, Flexible Sensor, UltraDish, Function Checker, Battery Charger and Systainer Carrying Case with high density foam insert.

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2011

accessories and options

UltraDish™ Parabolic Waveform Concentrator

The UltraDish™ is ideal for investigating PD activity in overhead assets or at a distance. Includes carrying case

PRODUCT CODE: UTP1-UD

Peltor Neckband Headset

Medium attenuation, low-profile shells for easy and comfortable use together with other PPE devices

PRODUCT CODE: UTP1-PH

Battery Charger

Mains battery charger for the UltraTEV Plus+™

PRODUCT CODE: UTP1-BC

Flexible Sensor

Plug-in flexible microphone extension enables you to probe enclosures and tight spaces

PRODUCT CODE: UTP1-FS

Function Checker

Instantly checks whether your UltraTEV Plus™ is functioning correctly

PRODUCT CODE: UTP1-FC

UltraTEV Plus+ Case

Available for Kit 1, Kit 2 and Kit 3

PRODUCT CODE: UTP1-CAS

Ultrasonic Contact Probe

Detects surface discharge activity through ultrasonic vibrations

PRODUCT CODE: UCP1

service pack 1
UltraTEV Plus+

Add-on for UltraTEV Detector™ and UltraTEV Plus+™ owners includes:

- Benchmark PD Survey of up to 30 assets
- On-site training in use of UltraTEV Detector™ or UltraTEV Plus+™
- 12 month technical support
- FREE instrument calibration after 12 months

service pack 2
UltraTEV Plus+

Add-on for UltraTEV Plus+™ owners includes:

- Full benchmark survey including PD Survey, Live Tank Oil Sampling (LTOS™) and analysis, plus trip timing tests
- Collection of condition data and history to prepare asset register with health indices
- Control of hazard database
- 12 month periodic collection of oil samples and trip time tests, returned to EA Technology for analysis and recommended actions
- 12 month technical support
- FREE instrument calibration after 12 months

Note: *all mains-powered instruments are available with plugs to suit local requirements.*

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UltraMet Plus+™

Versatile ultrasonic PD measurement tool

PRODUCT CODE: UMP1

A highly sensitive ultrasonic listening device, which provides instant indications of levels of surface PD activity, in the form of decibel readings AND audible sound.

benefits

- Gather and record detailed data on PD activity in multiple assets
- Measure changes in activity over time
- Identify need for further condition assessment or maintenance intervention
- UltraDish™ option for even greater versatility

features

- Take multiple decibel readings of PD activity
- Listen for PD activity over headphones
- Compare levels between faulty and fault-free equipment
- Kit includes headphones, battery charger and case

Note: *all mains-powered instruments are available with plugs to suit local requirements.*

Kit 1   PRODUCT CODE: UMP1 Kit 1

Inc. Function Checker, Clip-on Headphones, Battery Charger and Systainer Carrying Case with high density foam insert.

Kit 2   PRODUCT CODE: UMP1 Kit 2

Inc. Peltor Neckband Headset, Ultrasonic Contact Probe, Flexible Sensor, Function Checker, Battery Charger and Systainer Carrying Case with high density foam insert.

Kit 3   PRODUCT CODE: UMP1 Kit 3

Inc. Peltor Neckband Headset, Ultrasonic Contact Probe, Flexible Sensor, UltraDish, Function Checker, Battery Charger and Systainer Carrying Case with high density foam insert.

accessories and options

UltraDish™ Parabolic Waveform Concentrator

The UltraDish™ is ideal for investigating PD activity in overhead assets or at a distance. Includes carrying case

PRODUCT CODE: UTP1-UD

Peltor Neckband Headset

Medium attenuation, low-profile shells for easy and comfortable use together with other PPE devices

PRODUCT CODE: UMP1-PH

Battery Charger

Mains battery charger for the UltraMet Plus+™

PRODUCT CODE: UMP1-BC

Flexible Sensor

Plug-in flexible microphone extension enables you to probe enclosures and tight spaces

PRODUCT CODE: UTP1-FS

Function Checker

Instantly checks whether your UltraMet Plus™ is functioning correctly

PRODUCT CODE: UMP1-FC

UltraMet Plus+ Case

Available for Kit 1, Kit 2 and Kit 3

PRODUCT CODE: UMP1-CAS

Ultrasonic Contact Probe

Detects surface discharge activity through ultrasonic vibrations

PRODUCT CODE: UCP1

UltraTEV Locator™

Portable Partial Discharge (PD) investigation system

PRODUCT CODE: UTL1

benefits

- Locating and measuring PD activity to identify faults BEFORE they lead to failures
- Recording and analysing PD activity to provide valuable information on the actual condition of assets
- More effective asset management, reliability, efficiency and safety, at lower cost

features

- Ability to pinpoint PD activity to within 10cm
- Ultrasonic and TEV sensors for surface and internal PD
- Factors in environmental conditions: temperature, atmospheric pressure and relative humidity
- Measures and records the severity of PD, for diagnostic analysis
- Works with cables and overhead assets
- Tough, weatherproof case, with built in 13 hour battery life
- Built in function checker for TEV and Ultrasonic
- USB data storage

UltraTEV Locator™ standard kit includes

- TEV/Magnetic Probe
- TEV/Ultrasonic Probe
- Ultrasonic Contact Probe
- Flexible Sensor
- Non Contact Temperature Probe
- RFCT
- Peltor Neckband Headphones
- AC Reference Source
- Battery Charger
- Carry Case

Note: *all mains-powered instruments are available with plugs to suit local requirements.*

accessories and options

UltraDish™ Parabolic Waveform Concentrator

The UltraDishTM is ideal for investigating PD activity in overhead assets or at a distance. Includes carrying case

PRODUCT CODE: UTP1-UD

Accessories Case

Carry case for main unit and accessories

PRODUCT CODE: UTL1-ACAS

Battery Charger

Mains battery charger for the UltraTEV Locator+™

PRODUCT CODE: UTL1-BC

Flexible Sensor

Plug-in flexible microphone extension enables you to probe enclosures and tight spaces

PRODUCT CODE: UTP1-FS

RFCT

Clamp on current transformer for Cable PD

PRODUCT CODE: UTL1-RFCT1

UltraTEV Locator™ Case

Protective carry case for main unit

PRODUCT CODE: UTL1-CAS

Ultrasonic Contact Probe

Detects surface discharge activity through ultrasonic vibrations

PRODUCT CODE: UCP1

Probes

TEV/Ultrasonic Probe and TEV/Magnetic Probe
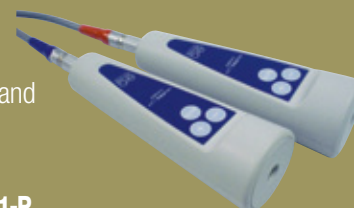
PRODUCT CODE: UTL1-P

Cables

Set of two 2 metre Probe cables (standard)

PRODUCT CODE: UTL1-C2

Non Contact Temperature Probe

PRODUCT CODE: UTL1-TP

AC Ref. Source

Phase reference source

PRODUCT CODE: UTL1-AC

Extra Length Cables

Set of two 4 metre Probe cables

PRODUCT CODE: UTL1-C4

UltraTEV Alarm™

The PD activity early warning system

PRODUCT CODE: UTA1 + UTAH

Continuous monitoring of substation switchgear. Identifies faults and safety issues BEFORE they lead to failures.

benefits

- Early warning of faults prevents failures
- Enables timely interventions when maintenance is required
- Warns personnel if switchgear is in a dangerous condition
- Excellent cost/benefit justification

features

- Effective continuous monitoring with both ultrasonic and TEV sensors
- Multi-node sensor units can monitor 100+ assets simultaneously
- Simultaneously measures local humidity and temperature conditions
- Central hub unit LED indicators provide immediate indication of PD problems
- Receive alerts anywhere, via email or text message

additional info

- 110 or 230V AC Supply.

UltraTEV
Alarm System

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accessories and options

Hub with GPRS Option

Receive condition alerts instantly via SMS text messages or email, with this GPRS enabled version of the hub. Measures local humidity and temperature conditions

PRODUCT CODE: UTAH-GPRS

Hub without GPRS

Volt-free contacts for optional SCADA connection

PRODUCT CODE: UTAH

Additional Sensor Nodes

Built in TEV sensor complete with airborne ultrasonic microphone

PRODUCT CODE: UTA1

Ultrasonic Node

Works directly with the Alarm Hub, monitoring ultrasonic PD emissions only. Can be daisy-chained. Used when additional Ultrasonic Measuring Points are required

PRODUCT CODE: UTA-UN1

Short Microphone with Magnetic Base

PRODUCT CODE: UTA-SM

Long Microphone with Magnetic Base

PRODUCT CODE: UTA-LM

Close Coupled Ultrasonic Sensor

PRODUCT CODE: UTA-US

Alarm Node Calibration Checker™

Instantly checks that your Alarm Nodes are operating within specification

PRODUCT CODE: UTCC

Portable 10 Node System Case

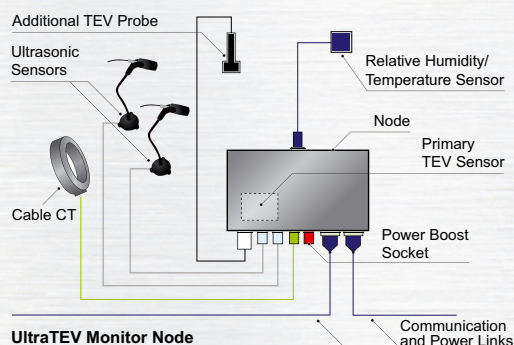Waterproof, robust, pull along case with foam inserts

PRODUCT CODE: UTA-CC

multiple assets

The web-enabled UltraTEV Monitor™ can support and process condition data from up to 250 measuring points simultaneously, all with precedence between them.

The modular nature of the system makes it equally suitable for large or small substations, continuously monitoring all types of MV and HV assets, including cables.

Additional TEV Probe
Ultrasonic Sensors
Relative Humidity/ Temperature Sensor
Node
Primary TEV Sensor
Cable CT
Power Boost Socket
UltraTEV Monitor Node
Communication and Power Links

multiple sensors

Each UltraTEV Monitor™ measurement node is capable of measuring PD activity and the environmental factors which affect it in FIVE ways:

TEV	Built-in TEV sensor, plus additional plug-in TEV probe.
Ultrasonic	Via plug-in external sensors.
Temperature	Built-in contact sensor, plus plug-in external sensor.
Humidity	Via plug-in external sensors.
RFCT	Cables are monitored via plug-in Radio Frequency Current Transformer (RFCT).

UltraTEV Monitor™

Complete asset monitoring and alarm system

PRODUCT CODE: UTM

The most comprehensive PD (Partial Discharge) monitor ever developed.

benefits

- Early identification of asset deterioration

- Measurement and analysis of PD activity to identify faults BEFORE they lead to failures

- Valuable information provided on the actual condition of assets

- More effective asset management, reliability, efficiency and safety, at lower cost

features

- Detection – Continuously checks for the presence of PD activity on the surface of insulation internal to components and in cables

- Measurement – Uses time-of-flight measurement to a resolution of 2ns (nanosecond) to locate the source of PD activity to within 60cm

- Monitoring – Monitors changes in PD activity over time, including noise, temperature and humidity to eliminate false readings

- Recording – Records PD activity in all assets being monitored over time

accessories and options

Node

UltraTEV Monitor
additional node

PRODUCT CODE: UTMN

Environmental Sensor

Ambient temperature and
relative humidity sensor

PRODUCT CODE: UTM1-ES

Aerial Kit

Aerial base and magnetic clamp
for the UltraTEV Monitor™

PRODUCT CODE: UTM1-AK

Hub - Portable

Portable monitoring

PRODUCT CODE: UTM1-PH

RFCT

Clamp on current transformer
for Cable PD

PRODUCT CODE: UTM1-RFK

Hub - Wall Mounted

Permanent monitoring

PRODUCT CODE: UTM1-WH

UltraTEV Monitor Contact Probe

Detects surface discharge activity
through ultrasonic vibrations

PRODUCT CODE: UCP2

Additional TEV Sensor

PRODUCT CODE: UTM1-TS

Ultrasonic Microphone

PRODUCT CODE: UTM1-UM

Magnetic Probe Base

PRODUCT CODE: UTM1-MB

Portable 6 Node System Case

Waterproof, robust, pull along case
with foam inserts.

PRODUCT CODE: UTM1-CC

Cable Tie Wrap Base

PRODUCT CODE: UTM1-CTW
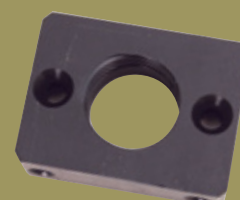
Note: *all mains-powered instruments are available with plugs to suit local requirements.*

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Total PD Monitoring
detecting surface discharge activity in sealed chambers

Ultrasonic
Contact Probe™

PRODUCT CODE: UCP1

Compatible with:

- UltraTEV Plus+™
- UltraMet Plus+™
- UltraTEV Locator™

UltraTEV Monitor
Contact Probe™

PRODUCT CODE: UCP2

Compatible with:

- UltraTEV Monitor™

benefits

- Detects surface discharge activity within sealed chambers by direct contact with the exterior metalwork

- Proven under controlled conditions to be one of the most sensitive instruments available

- Noise caused by varying contact pressure eliminated by magnetic clamping

features

- Tuned to accurately identify ultrasonic frequencies associated with surface discharge

- Robust construction for long life

- Magnetic mounting for hands-free use

- Designed for use with EA Technology's PD instrumentation range

PD Simulator™

The popularity of the UltraTEV range of PD Instruments means that large numbers of Condition Assessment Engineers require training to ensure effective use of these instruments.

EA Technology has developed the PD Simulator to realistically simulate Transient Earth Voltage (TEV) signals, similar to those generated by internal partial discharge, and ultrasonic signals similar to the signals associated with surface discharge.

The PD Simulator allows Engineers to become familiar with the responses of their hand held instruments before being exposed to the live substation environment.

benefits

- Gives an appreciation of the difference between internal and surface discharge detection methods
- Assists familiarisation with the noise characteristics of ultrasonic surface PD activity
- Exposes personnel to measurable partial discharge as part of their training
- Partial Discharge training can be accomplished in a safe environment

features

- Generates 5 levels of TEV signals
- Generates 5 levels of ultrasonic sound
- 4 modes of realistic ultrasonic noise available for each sound level
- 7 hours continuous use from fully charged battery
- Plug in lead with either magnet or 'crocodile' clip to transfer TEV signals to switchgear etc

Note: *all mains-powered instruments are available with plugs to suit local requirements.*
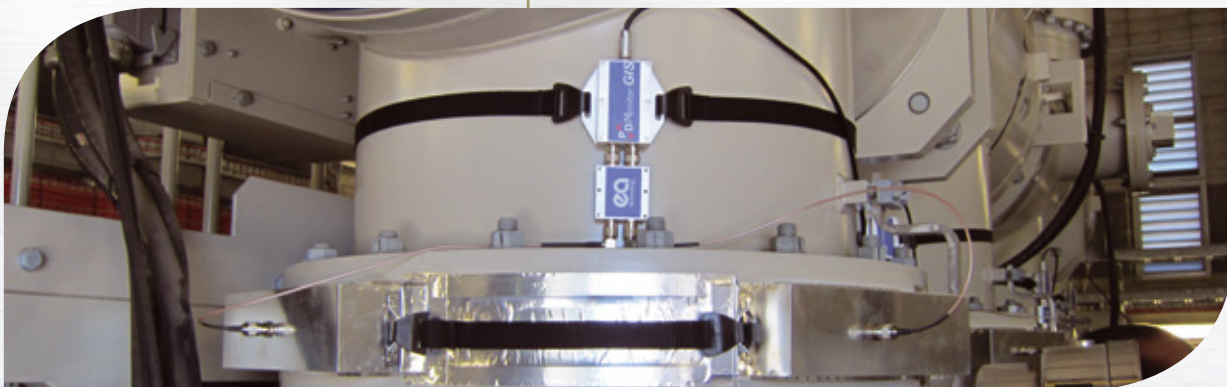
The PD Monitor GIS™ continuously monitors PD activity via external sensors, which are daisy chained to an intelligent server.
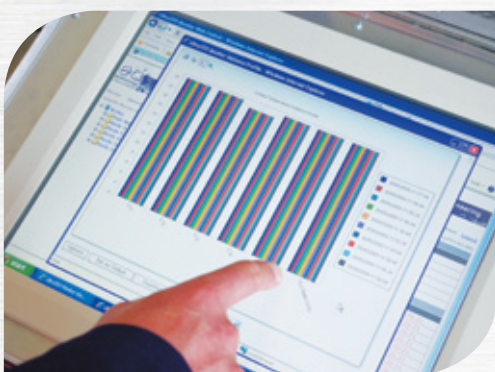
PD Monitor GIS™

24/7 Partial discharge (PD) monitoring system for gas insulated switchgear

For automatic, continuous monitoring of mission critical GIS assets.

benefits

- Most cost effective and multi-featured GIS condition monitor available

- Continuous monitoring identifies PD faults before they lead to failures

- 24/7 assurance that critical GIS assets are PD free

- Instantly alerts operators if PD faults are present

- Provides detailed information on PD fault location, severity and frequency

- Dramatically reduces the need for expensive technician call-outs

- New design based on 35+ years experience of PD detection and measurement

- Unique configuration requires minimal wiring

features

- Accurately locates the source of PD activity

- Expert system software automatically provides detailed fault information without the need for analysis by experts

- Daisychain configuration minimises wiring and makes installation simple

Note: *all mains-powered instruments are available with plugs to suit local requirements.*

PD Monitor GIS™

Gas Insulated Switchgear Monitoring System

suitability

The PD Monitor GIS™ is purpose designed as a retrofit system for all commonly used pressurised EHV Gas Insulated Switchgear (GIS) equipment.

The modular system can cover over 100 sensor points, making it effective for a wide range of GIS assets.

Its unique 24/7 monitoring and diagnostic capabilities make it particularly suitable for monitoring mission critical substations on transmission networks.

valuable activity data

Example: Plot of PD activity against phase of the busbar voltage.

- Shows PD activity by location, type, rate, magnitude and severity (magnitude + rate)
- Plots PD activity as easy-to-read graphs
- PD activity alert thresholds are user-configurable

LOCATES
PD ACTIVITY
ACCURATELY and QUICKLY

PD Locator™

PRODUCT CODE: PDL1

The PD Locator™ includes a FREE PD Locator™ Function Checker, which automatically tests functions, accuracy and timing.

An effective instrument for rapidly detecting, measuring and locating the source of PD activity with pinpoint accuracy.

benefits

- Essential equipment for power engineers
- Locate faults before they lead to failures
- Quantify PD activity
- Use with the PD Monitor™ for detailed assessment of asset condition
- Ability to detect multiple PD sources

features

- Measures PD activity accurately in single probe mode
- Quickly locates the source of PD activity in two-probe mode
- Portable and easy to use
- Includes Function Checker, probes, battery charger and case

Note: *all mains-powered instruments are available with plugs to suit local requirements.*

accessories and options

PD Locator™ Battery Charger

Mains battery charger for the PD Locator™

PRODUCT CODE: PDL-BC

PD Locator™ Case

Dedicated case for the PD Locator™

PRODUCT CODE: PDL1-CC

PD Locator™ Accessories Case

Dedicated accessories carry case for the PD Locator™

PRODUCT CODE: PDL1-ACC

PD Locator™ 5mm N Type Coax Cables (x2)

Can be used as an upgrade from older type 25mm cables

PRODUCT CODE: PDL1-CSN

PD Locator™ Probe (x1)

PRODUCT CODE: PDL1-P

PD Locator™ Function Checker

Automatically tests the instrument's functions, accuracy and timing

PRODUCT CODE: PDL1-FC

Upgrade - NiMH Battery

(Old units only)

PRODUCT CODE: PDL-NIMH
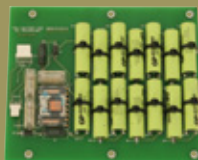
Upgrade Membrane Front Panel

(Old units only)

PRODUCT CODE: PDL-FPU

Full Lightweight Upgrade (Old units only)

Includes:
Membrane front panel
Membrane probes
5mm coax cables
Function Checker
Lightweight NiMH battery pack

PRODUCT CODE: PDL1-LWU

partial discharge instruments

PD Monitor™

Monitors, records, locates and analyses changes in PD activity over time, using 12 probes. An extremely valuable condition assessment tool.

benefits

- Non-intrusive monitoring means no lost production
- Effectively screens out external interference using full 12 channel precedence detection
- Records PD variations caused by changes in the operating environment over time
- User-friendly analytical software provides essential management information
- Optional downloading via modem – for expert analysis by EA Technology

features

- Continuously monitors up to 12 locations simultaneously, using Precedence Detection technology
- Remote data access capabilities, plus data storage on CompactFlash® card
- Includes standard PC data analysis software, remote access modem, probes, aerials and carrying case
- Portable and easy to deploy

Note: *all mains-powered instruments are available with plugs to suit local requirements.*
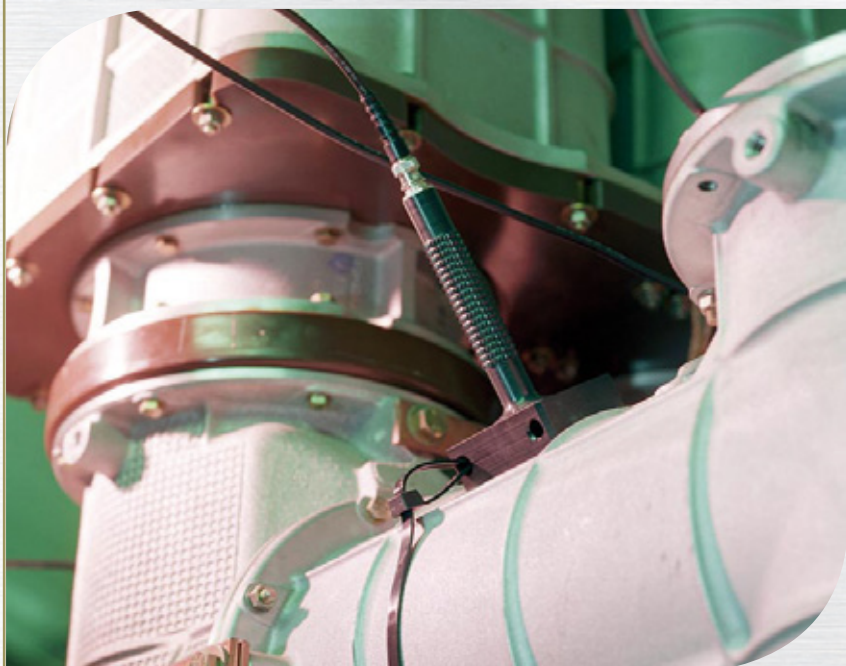
PDMonitor

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accessories and options

PD Monitor™ Flight Case

Dedicated flight case for the PD Monitor™

PRODUCT CODE: PDM03-CC

PD Monitor™ Aerial

PRODUCT CODE: PDM03-A

PD Monitor™ Probe

PRODUCT CODE: PDM03-P

PD Monitor™ Magnetic Clamp
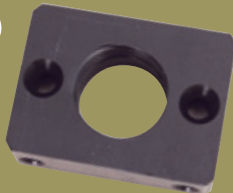
PRODUCT CODE: PDM03-MC

PD Monitor™ Aerial Base

PRODUCT CODE: PDM03-AB

PD Monitor™ Set of 15m Cables x12

PRODUCT CODE: PDM03-15C

PD Monitor™ Tie Wrap Clamp

PRODUCT CODE: PDM03-TWC

USB Card Reader for PC

Plus CompactFlash® Cards x2

PRODUCT CODE: PDM03-USBCR

Test Cable

PRODUCT CODE: PDM03-TC

PD Monitor™ Accessory Kit

- Probes x8
- Aerials with bases x4
- Magnetic clamp x12
- Tie wrap clamp x4
- 15m cables x12
- USB Card Reader x1
- CompactFlash® cards x2
- Test cable x1
- Accessories case x1

PRODUCT CODE: PDM03-KIT

CompactFlash® Upgrade

Full upgrade to latest PD Monitor™ specification, including CompactFlash® data storage

PRODUCT CODE: PDM03-CFU
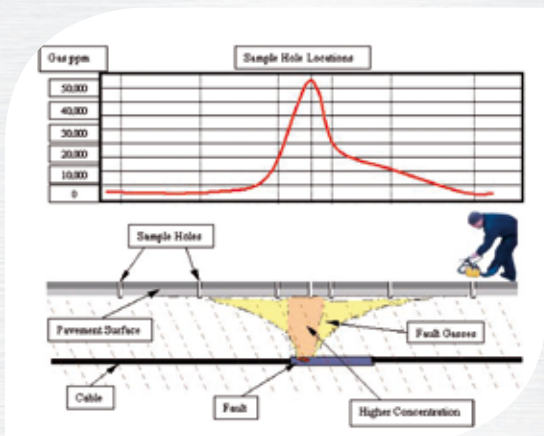
CableSniffer™

Finds underground cable faults FAST

PRODUCT CODE: CS1

Locate underground LV faults in minutes, with fewer excavations, less disruption and lower costs.

benefits

- Rapid results save time and money
- Fewer holes – so less disruption and reinstatement
- Improved customer service – faults fixed more quickly
- Excellent return on investment – typically pays for itself in days

features

- Locates faults on all LV power cables
- Accurate to within 1 metre
- Lightweight, portable and easy to use
- Includes sensor probes, spare filter papers, battery charger and carry case

Note: *all mains-powered instruments are available with plugs to suit local requirements.*

accessories and options

CableSniffer™ Searcher Bar System

PRODUCT CODE: CS1-SBS

CableSniffer™ Drill System

PRODUCT CODE: CS1-DS

Dual Supply Battery Charger

PRODUCT CODE: CS1-BC

Filter Paper x10 Plus 'O' Ring

for use with CS1-FA

PRODUCT CODE: CS1-FP

25cm Searcher Bar

PRODUCT CODE: CS1-SB

CableSniffer™ Case

PRODUCT CODE: CS1-CC

Top Hat Adaptor

PRODUCT CODE: CS1-THA

Drill Extension Bar

PRODUCT CODE: CS1-DE

Mastic Dispenser Nozzles x20

PRODUCT CODE: CS1-DN

Foam Pack x100

PRODUCT CODE: CS1-F

CableSniffer™ Drill System Accessories Kit

Includes:
- SDS drill extension bar x 1
- Mastic dispenser gun x 1

PRODUCT CODE: CS1-DSAK

CableSniffer™ Drill System 10 Fault Consumables Kit

Includes:
- Sensor Straws x10
- Filter Papers x10
- Mastic Dispenser Nozzle x10
- 8 x 200mm SDS drill bits x5
- Black Mastic Cartridges x1
- Foam Pack x1
- 'O' Rings x1

PRODUCT CODE: CS1-DSCK

Tar Plugs x100

PRODUCT CODE: CS1-TP

Black Mastic Cartridge

PRODUCT CODE: CS1-BM

Sensor Straws x10

PRODUCT CODE: CS1-SS

In-Line Filter Assembly

PRODUCT CODE: CS1-FA2

Sensor Straw Adaptor

PRODUCT CODE: CS1-SSA

8mm SDS Drill Bits x5

PRODUCT CODE: CS1-DBIT

Filter Kit
for use with CS1-FA2

PRODUCT CODE: CS1-FK

Connector Hose

PRODUCT CODE: CS1-CH

Direct sales: +44 (0) 151 339 4181   sales@eatechnology.com

field instruments

PURL™

The Pole Ultrasonic Rot Locator

PRODUCT CODE: PURL

Take the guesswork out of measuring rot in pine poles and estimating their residual strength.

benefits

- Simple and quick to use
- Compatible with field data gathering equipment
- Accurate condition assessment replaces guesswork
- Essential for network reliability and safety

features

- Proven ultrasonic technology with minimal intrusion into pole
- Software maps internal rot and calculates pole strength
- Rugged battery-operated construction
- Includes transmitter, receiver, tape measure, elastic ropes and carry case

TRIED and TESTED in the field

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accessories and options

Power Setting Tape

PRODUCT CODE: PURL-PST

Instrument Positioning Straps x2

PRODUCT CODE: PURL-IPS

PURL™ Analytical Software CD

PRODUCT CODE: PURL-ASCD

PURL™ Carry Case

PRODUCT CODE: PURL-CC

Direct sales: +44 (0) 151 339 4181   sales@eatechnology.com

field instruments

Polarity Test Kit™

LV live conductor test kit

PRODUCT CODE: PTK1

Complete self-testing system. Comprising of the Polarity Test Pen and Test Pen Checker.

The safest way to check which conductors are live.

benefits

- The Polarity Test Pen™ is far more accurate and versatile than standard conductor testers
- The Test Pen Checker™ instantly confirms that the Polarity Test Pen™ is working correctly
- Easy to use
- Double checks whether conductors are live or dead
- Essential for operator safety

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Polarity Test Pen™

PRODUCT CODE: PT1

The Polarity Test Pen™ is the new version of our popular Polarity Tester™. It works by lighting up and buzzing when it detects the electrical field surrounding a live LV insulated conductor.

features

- Lights up ONLY within 3mm of the live core of a standard 3mm conductor
- Discriminates between live and non-live conductors – even in bundles of cables
- Does not require current flow in the live conductor
- Works with all standard 220-250V 50/60Hz supplies
- Daylight LED illumination
- Audible buzzer
- Rugged construction, with pen-style pocket clip
- Uses 2 x AAA standard batteries included
- Range of body colours – can be overprinted with your company logo

Test Pen Checker™

PRODUCT CODE: TPC1

The Test Pen Checker™ instantly confirms whether the Polarity Test Pen™ is functioning correctly. It works by simulating the field produced by a live LV conductor.

features

- Instant function check

STEP 1 - Insert the Polarity Test Pen™ into the Test Pen Checker™. The unit automatically powers up and its test light illuminates

STEP 2 - Polarity Test Pen™ tip lights up and buzzer sounds to confirm correct functioning

STEP 3 - Remove Polarity Test Pen™ from unit and check for live conductors

STEP 4 - Retest the Test Pen™ to ensure correct operation for 100% confidence

- Self powered and portable
- Long life, maintenance free battery
- Rugged construction protects your Polarity Test Pen™ when not in use
- Clip on Lanyard

Extended Volt Stick™

Identify damaged underground cables in safety

PRODUCT CODE: EV1

Simple and safe – the Volt Stick's lamp lights up when in the proximity of a live conductor.

benefits

- Ideal for identifying cables damaged by excavations e.g. roadworks
- Operator stays at a safe distance from the cable
- Can be used to check pole mounted fuses
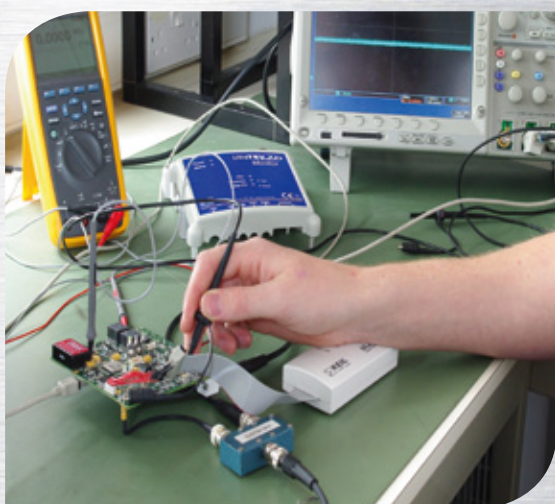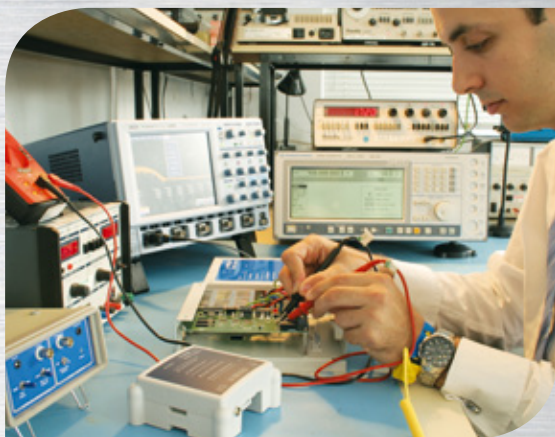- Lightweight and portable

features

- 600mm long – sensor at one end, lamp at the other
- Does not require current flow in the live cable
- Battery powered
- Easy to use with minimal training

Uses 2x AAA batteries - included

accessories
and options

Clips
to attach the Extended Volt Stick™ to a 'hot stick'

repair
and calibration service

As a manufacturer of measurement and detection instruments, it is important for EA Technology to provide the best quality service for our products. Maintain your EA Technology instruments to keep them in perfect working conditions with the knowledge of our skilled Technicians.

Services and Analytical Catalogue

issue 3

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where to buy worldwide

where to buy

Country	Contact				
Argentina	Artec Ingenieria S.A. Buenos Aires, Argentina	contact website	Ms Maria Gomez Blanco www.artec-ingenieria.com	email phone	egb@artecing.co.ar +5411 4106 6500
Australia*	EA Technology Australia Queensland, Australia	contact website	Mr Keith Beven www.eatechnology.com	email phone	keith.beven@eatechnology.com.au +61 (07) 3257 3096
Belarus	UAB Ekobana Lithuania	contact website	Ms Maria Šostak www.ekobana.lt	email phone	maria@ekobana.lt +370 5 249 18 04
Belgium	Control and Protection NV Wilrijk, Belgium	contact website	Mr Paul de Graef www.conpro.be	email phone	paul.de.graef@conpro.be +32 3 829 0335
Brazil	Bohnen+Messtek Importação e Comércio Equipamentos Ltda São Paulo, Brazil	contact website	Mr Reinaldo Bohnen www.bohnen.com.br	email phone	reinaldo@bohnen.com.br +55 11 9 2711 0050
Canada (Western)	MultiSource Inc Alberta, Canada	contact website	Mr Wayne Hartwick www.multisource.ca	email phone	wayne@multisource.ca +1 403 291 1500
Canada (Eastern)	Spectrum Instruments Ltd Brighton, Canada	contact website	Mr Allan Fitzgerald www.spectrum-instruments.com	email phone	spectruminfo@cogeco.ca +1 613 439 8767
China*	EA Technology China Shanghai, China	contact website	Dr Yuan Tian www.eatechnology.cn	email phone	chinaoffice@eatechnology.com +86 (0)21 5174 8848
Czech Republic	TMV SS Praha, Czech Republic	contact website	Mr Vaclav Straka www.tmvss.cz	email phone	vaclav.straka@tmvss.cz +420 272 942 720
Denmark	DESITEK A/S Søndersø, Denmark	contact website	Mr Jens A. Møller www.desitek.dk	email phone	jam@desitek.dk +45 638932103
Egypt	Accurate Electrical Contracting Alexandria, Egypt	contact website	Mr Moataz Mohamed ElMahdy	email phone	moataz.elmahdy@accurate-elec.net +20 03 54 63 194
France	dB Vib Technologies Vienne, France	contact website	Mr Pierre Campagna www.dbvib.net	email phone	p.campagna@dbvib.com +33 (0) 474161990
Finland	Multirel Oy Espoo, Finland	contact website	Mr Jukka Arte www.multirel.fi	email phone	jukka.arte@multirel.fi +358 9 819 063 31
Iceland	Reykjafell Reykjavík, Iceland	contact website	Mr Otto Gudjonsson www.reykjafell.is	email phone	otto@reykjafell.is +354 575 6626
India	East West Trading International Private Limited, Mumbai, India	contact website	Mr R. K. Chhatwani	email phone	ewiindia@ewi-intl.com +91 22 2852 7633
India	Hi Tech Systems and Services Kolkata, India	contact website	Mr. Akash Das www.hitech.in	email phone	akash@hitech.in +91 674 325 6465
Indonesia	PT. Tiara Vibrasindo Pratama Jakarta Pusat, Indonesia	contact website	Mr Ferry Widjaja tiaravib.com	email phone	ferry@mts-indonesia.com +6221 5704200
Ireland	Powerpoint Engineering County Laoise, Ireland	contact website	Mr Garrett Kelly www.powerpoint.ie	email phone	info@powerpoint.ie +353 5786 62162
Italy	Ampere SpA Milano, Italy	contact website	Mr Roberto Picker www.amperespa.it	email phone	roberto.picker@amperespa.it +39 02 67849 242
Korea	Dae Young Gyeonggi-Do, Korea	contact website	Mr Dae-bok Kim www.daeyoungelect.co.kr	email phone	daebkim@hanmail.net +82 31 426 7950
Lithuania	UAB Ekobana Vilnius, Lithuania	contact website	Ms Maria Šostak www.ekobana.lt	email phone	maria@ekobana.lt +370 5 249 18 04
Luxembourg	Control and Protection NV Wilrijk, Belgium	contact website	Mr Paul de Graef www.conpro.be	email phone	paul.de.graef@conpro.be +32 3 829 0335
Malaysia	LC Engineering Services SDN BHD, Selangor D.E, Malaysia	contact website	Mr Lee Mun Woh www.lceng.com	email phone	lmw@lceng.com +603 79581022
México	Allectro. S.A. Col. Portales, Mexico	contact website	Ms Martha León Mosiño www.allectro.com	email phone	martha.leonm@allectro.com +52 55 56016213

Country	Contact				
Netherlands	Control and Protection NV Wilrijk, Belgium	contact website	Mr Paul de Graef www.conpro.be	email phone	paul.de.graef@conpro.be +32 3 829 0335
New Zealand	HV Diagnostics Christchurch, New Zealand	contact website	Mr Greg Linton www.hvds.co.nz	email phone	glinton@hvds.co.nz +643 962 0225
Norway	CEE Energiteknikk as Lørenskog, Norway	contact website	Mr Dag Idar Thorstensen www.cee.no	email phone	dag.thorstensen@cee.no +47 6791 1950
Pakistan	MAQ International Karachi, Pakistan	contact website	Mr Muhammad Faheem Siddiqui www.maqint.com	email phone	maq@maqint.com +92 21 3453 5671
Peru	Logytec S.R.L. Isidoro Suarez #219 San Miguel, Lima-Peru	contact website	Mr Rafael Ruiz www.logytec.com.pe	email phone	rafaelruiz@logytec.com.pe +51 1 4523111
Qatar	Al Hamad Trading Est. Doha, Qatar	contact website	Mr Manoj Megchiani www.alhamadtrading.com	email phone	manoj@alhamadtrading.com +974 46 88 2250
Oman	Orbital Projects and Services LLC. Muscat, Oman	contact website	Mr B.K. Kumar www.orbitalgrp.com	email phone	bkk@orbitalgrp.com +968 24481397
Saudi Arabia	AMPS Al-Khobar, Saudi Arabia	contact website	Mr Abdallah A. Abdulrahim amps-wll.com	email phone	abdullah@amps-wll.com +966 (03) 882 1055
Singapore*	EA Technology Asset Management Pte Ltd Singapore	contact website	Mr Victor Chan www.eatechnology.sg	email phone	Victor.Chan@eatechnology.sg +65 6634 3591
South Africa	Independent Power Industries Johannesburg, South Africa	contact website	Mr Fernando Bolota www.ipiholdings.com	email phone	fred@ipiholdings.co.za +27 (011) 432 6958
Spain	Drilco sa Madrid, Spain	contact website	Mr Carlos Cañellas www.drilco.net	email phone	carlos.canyellas@drilco.net +34 916 591 9000
Taiwan	Wavetronic Taipei County, Taiwan	contact website	Mr Bill Chiang www.wavetronic.com	email phone	mason@wavetronic.com.tw +886 2 2943 7480
Turkey	Testone Teknoloji Cozumleri Istanbul, Turkey	contact website	Mr Hilmi Temiz www.testone.com.tr	email phone	hilmit@testone.com.tr +90 (212) 444 8378
UAE*	EA Technology Middle East Abu Dhabi, UAE	contact website	Mr Alan Preece www.eatechnology.com	email phone	alan.preece@eatechnology.com +971 2 673 5326
UAE	Euro Mechanical and Electrical Contracting Co. LLC Abu Dhabi, UAE	contact website	Mr Dhaval Dholia www.euromechanical.com	email phone	dhaval@euromechanical.com +97 12678 1133
United Kingdom*	EA Technology Capenhurst, Chester	contact website	Mrs Janice Mckay www.eatechnology.com	email phone	sales@eatechnology.com +44 (0)151 339 4181
USA*	EA Technology – South East US sales, Florida	contact website	Mr Zee Zamora www.eatechnologyusa.com	email phone	zee.zamora@eatechnologyusa.com +1 863 660 4742
USA*	EA Technology USA – Western US sales, Oregon	contact website	Mr Dustin Ashliegh www.eatechnologyusa.com	email phone	dustin.ashliegh@eatechnologyusa.com +1 503 964 9276
USA*	EA Technology USA – South Central US sales, Houston	contact website	Mr Vincent Demaio www.eatechnologyusa.com	email phone	vincent.demaio@eatechnologyusa.com +1 832 691 0557
USA*	EA Technology USA – North Central and North East US sales	contact website	Mr Carl Barwick www.eatechnologyusa.com	email phone	carl.barwick@eatechnologyusa.com +1 414 530 5850
Venezuela	Secotec S.A. Caracas, Venezuela	contact website	Mr Jose Vicente Lopez www.secotec.com.ve	email phone	secotec@cantv.net +58 212 573 8687
Vietnam	VPower JSC Ho Chi Minh City	contact website	Mr Tran Dinh Xuan www.vpower.com.vn	email phone	xuan.tran@vpower.com.vn +84 8 2247 8343

*EA Technology office

extend your warranty for free!

Register your product by completing the Product Registration card supplied with your instrument, or register online by visiting

www.eatechnology.com/business/instruments

All registered instruments will receive an additional 12 months warranty for **FREE!**

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