

# Test & Measurement Rental Catalogue

 **Industrial & Power**

## WELCOME

Dear Customer,

Welcome to Livingston's Transmission and Datacomms Test Equipment Catalogue. This catalogue is intended as a quick reference guide to a wide range of products available for rental within these technology sectors. If you cannot find what you are looking for, please give us a call and we will be happy to try and source this for you. And if you are not sure which equipment you need, our applications engineers will discuss your application to identify the most suitable product.

Livingston is Europe's leading rental company with over 40 years of experience and expertise in the field of test & measurement solutions. We trust that you will find this catalogue useful and we look forward to hearing from you in the future.

Masten Evans  
Director & General Manager, Livingston UK Ltd

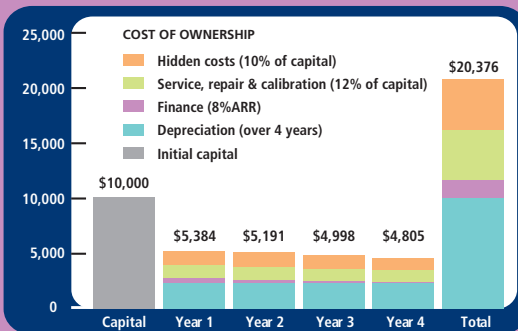
## SHOULD I RENT OR BUY MY TEST EQUIPMENT?

**Research shows that over 50% of purchased equipment is either infrequently or never used after the initial reason for purchase.**

You can decide if it is better to rent or buy by asking yourself two key questions:

- How long do I **really** need the equipment for?
- How much will it cost me to own it?

### COST OF OWNERSHIP v RENTAL COSTS



Real cost of ownership for a \$10,000 item is **\$20,400** or \$98 per week for 4 years and below is the rental cost for exactly the same equipment.

No of months	Rental per week	Total Cost
6	\$151	<b>\$3,926</b>
12	\$110	<b>\$5,700</b>
24	\$110	<b>\$11,400</b>

So, if you know you will need the equipment for more than 2-3 years without upgrading it in that time, purchase is the right decision. But if there is any uncertainty or risk (financial or obsolescence), rental costs you less and gives you greater flexibility and control.

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## NEW PRODUCTS

Livingston recognizes the need to make significant, regular investment in the latest technology. That is why we typically invest \$30,000,000 per annum on T&M equipment - through us you always have access to the newest and best equipment on the market. This page shows some of our recent investments, all of which are available to rent today.



### Yokogawa PZ4000 Modular Graphical Power Analyser

- Accepts up to 4 input modules
- 253751 modules supplied as standard
- 0 to 1000 Volts RMS and 1 to 5 Amps RMS

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### Fluke 1745 Power Logger

- Four Voltage and Current Channels
- Power Quality Assessment to EN50160
- Harmonics to the 50th Harmonic

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### Sinergy E-Tracker 2 Portable Energy Analyser

- Three Voltage and Current Channels
- Logging of Power Usage
- Harmonics on 3 phase supplies

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### Doble F6150 Power System Simulator

- Exceptional test flexibility
- Six independent, direct-coupled sources
- Rated 150 VA at 0-30 A

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### Drantex PX5 Power Explorer

- 4 Voltage and 4 Current Channels
- Full Disturbance measurement to IEEE 1159.
- IEC 61000-4-30 & EN50160 standards.
- Harmonic Measurement to 63rd Harmonic
- LCD Colour Touch Screen

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## OTHER SERVICES



### NOT JUST RENTAL...

In addition to rental, here are some of the other services available from Livingston.

#### Easy2Source

An innovative alternative to purchase. Initial contracts for 6 or 12 months with the option then to either extend to 12 or 18 months at preferential rates, or to convert to a purchase (with rebates). Alternatively, the contract can be extended on a monthly basis or you can simply return the equipment. The key benefit of Easy2Source is flexibility: it passes the equipment risks to Livingston, it is off the balance sheet, avoids CapEx approvals and is cost effective. Make your decision to own at the time that is most appropriate to your business. Includes service, calibration and maintenance.

#### Rent to Buy

Key features of this finance package are that the cost is spread over 6 to 36 months (non-cancellable) with simple documentation and a nominal purchase option. Tax allowances may be available. Key benefits to this are improved cash flow and liquidity, fixed payments ensure easy budgeting and it preserves existing lines of credit. Excludes service, calibration and maintenance.

#### Leasing

Key features are payment periods of 3 to 5 years with simple documentation, you can return equipment at the lease end, and tax allowances may be available. You can also add new products and extend the lease term. Key benefits to Leasing are that it preserves capital, fixed payments ensure easy budgeting, it preserves existing lines of credit and there are no equipment disposal costs. Excludes service, calibration and maintenance.

## OTHER RENTAL CATALOGUES FROM LIVINGSTON



- Transmission & Datacomms
- Optical & Datacomms
- RF Microwave & General Purpose



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**Graphtec WR1000-8V**  
**Portable Thermal Array Recorder**  
• FT Thermal Array Recorder • 8 Channels  
• Voltage Amplifiers 50mV - 500V full scale



Manufacturer	Product	Description
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## CHART RECORDERS

Graphtec	WR1000-8V	<b>Portable Thermal Array Recorder</b> <ul style="list-style-type: none"> <li>• Thermal Array Recorder</li> <li>• 8 Channels</li> <li>• Voltage Amplifiers 50mV - 500V full scale</li> <li>• Chart Speeds 1mm/Hr to 200mm/S</li> <li>• GPIB, RS-232C and SCSI Interfaces</li> </ul>
Graphtec	WR310	<b>8 Ch-Thermal Array Recorder</b> <ul style="list-style-type: none"> <li>• Thermal Array Recorder</li> <li>• 8 Channels (4 x WR3-V Amplifiers)</li> <li>• AC and DC Voltage 50 mV to 200 V Full Scale</li> <li>• Chart Speeds 50 mm/s to 100 mm/hr</li> <li>• USB and Ethernet Interfaces</li> </ul>
Yokogawa	DL750	<b>Scopecorder</b> <ul style="list-style-type: none"> <li>• Oscillographic Recorder</li> <li>• Up to 16 Input Channels</li> <li>• 12 Bit 10 MS/s Input Modules</li> <li>• 30 GB internal Hard Drive for data storage</li> <li>• 10.4 inch SVGA TFT Colour display</li> </ul>
Yokogawa	LR4100/25	<b>Chart Recorder with Disk Drive</b> <ul style="list-style-type: none"> <li>• Pen Recorder</li> <li>• 2 Channels</li> <li>• Universal Inputs accepts Voltage &amp; Thermocouples</li> <li>• Input Range 1mV to 200 V DC Full Scale</li> <li>• Chart Speed 10mm/hr to 1200mm/min</li> </ul>



### Yokogawa DL750

#### Scopecorder

- Oscillographic Recorder • Up to 16 Input Channels
- 12 Bit 10 MS/s Input Modules

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Manufacturer	Product	Description
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## CHART RECORDERS

- |          |           |   |
|----------|-----------|---|
| Yokogawa | LR4100/35 | <b>Chart Recorder with Disk Drive</b> <ul style="list-style-type: none"><li>• Pen Recorder</li><li>• 3 Channels</li><li>• Universal Inputs accepts Voltage &amp; Thermocouples</li><li>• Input Range 1mV to 200 V DC Full Scale</li><li>• Chart Speed 10mm/hr to 1200mm/min</li></ul> |
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- |          |        |  |
|----------|--------|--|
| Yokogawa | OR-341 | <b>Handy Oscillographic Recorder</b> <ul style="list-style-type: none"><li>• Oscillographic Recorder</li><li>• 4-Channels</li><li>• 100 mV to 1000 V FS Input Ranges &amp; Harmonic Analysis</li><li>• 5.7 inch LCD Display</li><li>• RS-232 Interface</li></ul> |
|----------|--------|--|



Placing an order is easy. Call the T&M Sales Team on +44 (0) 20 8943 5151 for product availability and price

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- |          |          |   |
|----------|----------|---|
| Yokogawa | LR8100/8 | <b>Chart Recorder/8-Ch</b> <ul style="list-style-type: none"><li>• Pen Recorder</li><li>• 8 Channels</li><li>• 1 mV to 200 V DC Input Ranges.</li><li>• Also accepts thermocouples and RTDs</li><li>• Chart Speeds 10 mm/hr to 1200 mm/hr</li></ul> |
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**Fluke 2635A**  
**Hydra Databucket Datalogger**

- 21 Channel Datalogger
- DC/AC Voltage and Resistance



Manufacturer	Product	Description
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## DATALOGGERS

Fluke	2635A	<p><b>Hydra Databucket Datalogger</b></p> <ul style="list-style-type: none"> <li>• 21 Channel Datalogger</li> <li>• DC/AC Voltage and Resistance</li> <li>• Supports thermocouples and RTDs</li> <li>• Frequency Measurement</li> <li>• DC 300 mV to 300 V,</li> <li>• AC 20 mV to 300Vrms,</li> <li>• Resistance 300 to 10 M</li> <li>• Frequency 15Hz to 1MHz</li> </ul>
Graphtec	GL500AVF	<p><b>Midi Logger</b></p> <ul style="list-style-type: none"> <li>• 8 Channels</li> <li>• Universal Input Modules</li> <li>• Maximum Input Voltage 100Volts DC</li> <li>• 4 Mb Internal Memory</li> <li>• USB and Ethernet Interfaces</li> </ul>
Graphtec	GL450-P1	<p><b>Midi Logger</b></p> <ul style="list-style-type: none"> <li>• 20 Channels</li> <li>• Universal Input Modules</li> <li>• Maximum Input Voltage 50Volts DC</li> <li>• 4 Mb Internal Memory</li> <li>• USB and Ethernet Interfaces</li> </ul>



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### Yokogawa DX2030 30 Channel Datalogger

- Input Types: DC Volts, Thermocouples, PRTs & Digital
- DC Voltage Ranges 20 mV to 50 V

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Manufacturer	Product	Description
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## DATALOGGERS

Yokogawa	MV230	<b>Paperless Recorder</b> <ul style="list-style-type: none"><li>• 30 Channels</li><li>• Universal Inputs accept DC Voltage, Thermocouples and RTDs</li><li>• 1 second measurement interval</li><li>• 10.4 inch TFT Colour Display</li><li>• LAN Interface</li></ul>
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Yokogawa	DX2030	<b>30 Channel Datalogger</b> <ul style="list-style-type: none"><li>• Input Types:</li><li>• DC Volts, Thermocouples, PRTs &amp; Digital Inputs.</li><li>• DC Voltage Ranges 20 mV to 50V</li><li>• 80 MB internal storage/Compact Flash Memory</li><li>• Ethernet Interface</li></ul>
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Yokogawa	DX2048	<b>Channel Datalogger</b> <ul style="list-style-type: none"><li>• 48 Channel Datalogger</li><li>• Input Types:</li><li>• DC Volts, Thermocouples, PRTs &amp; Digital Inputs.</li><li>• DC Voltage Ranges 20 mV to 50V</li><li>• 80 MB internal storage/Compact Flash Memory</li><li>• Ethernet Interface</li></ul>
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**Dranetz PX5  
Power Explorer**

- 4 Voltage and 4 Current Channels
- Full Disturbance Measurement: IEEE 1159, IEC 61000-4-30 & EN50160 standards

Manufacturer	Product	Description
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**POWER QUALITY**

Dranetz	PX5	<p><b>Power Explorer</b></p> <ul style="list-style-type: none"> <li>• 4 Voltage and 4 Current Channels</li> <li>• Full Disturbance Measurement:</li> <li>• IEEE 1159, IEC 61000-4-30 &amp; EN50160 standards.</li> <li>• Harmonics to 63rd Harmonic</li> <li>• LCD Colour Touch Screen</li> <li>• Supplied with Dranview Software</li> </ul>
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Dranetz	4400	<p><b>Power Quality Analyser</b></p> <ul style="list-style-type: none"> <li>• 4 Voltage and 4 Current Channels</li> <li>• Full Disturbance Measurement:</li> <li>• IEEE 1159, IEC 61000-4-30 &amp; EN50160 standards.</li> <li>• Harmonics to 63rd Harmonic</li> <li>• LCD Colour Touch Screen</li> <li>• Supplied with Dranview Software</li> </ul>
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When it comes to offering the right solutions...  
...we tick all the right boxes

- Quick turnaround for delivery & collection**
- Superior customer support**
- The very latest products and services**





### Fluke 1760

#### Three Phase Power Quality Recorder

- Four Voltage and Current Channels
- Measurement of Power Quality: IEC 61000-4-30 Compliant

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Manufacturer	Product	Description
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## POWER QUALITY

Fluke	435	<b>Logging Power Quality Analyser</b> <ul style="list-style-type: none"><li>• Four Voltage and Current Channels</li><li>• Dips, swells, interruptions &amp; transients</li><li>• Harmonics to the 50th Harmonic</li><li>• Colour Display</li><li>• RS-232C Interface</li></ul>
Fluke	1735	<b>Power Logger</b> <ul style="list-style-type: none"><li>• Four Voltage and Current Inputs</li><li>• Measure maximum Power Demand</li><li>• Measure total harmonic distortion</li><li>• Graphic Colour Display</li><li>• Supplied with Power Log Software</li></ul>
Fluke	1760	<b>Three Phase Power Quality Recorder</b> <ul style="list-style-type: none"><li>• Four Voltage and Current Channels</li><li>• Measurement of Power Quality:<ul style="list-style-type: none"><li>• IEC 61000-4-30 Compliant</li><li>• Harmonics and Flicker Measurement</li></ul></li><li>• LAN Interface</li><li>• PC with Software preloaded</li></ul>
Fluke	1745	<b>Power Quality Logger</b> <ul style="list-style-type: none"><li>• Four Voltage and Current Channels</li><li>• Power Quality Assessment to EN50160</li><li>• Harmonics to the 50th Harmonic</li><li>• RS-232C Interface</li><li>• Supplied with Notebook PC preloaded with software</li></ul>

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**Yokogawa PZ4000**  
**Three Phase Power Analyser**  
• Modular Graphical Power Analyser  
• Accepts up to 4 input Modules



Manufacturer	Product	Description
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## POWER QUALITY

Fluke	1656	<b>Mains Analyser/Recorder</b> <ul style="list-style-type: none"> <li>• 9 Channel Disturbance Analyser:</li> <li>• 4 Voltage &amp; 5 Current</li> <li>• Demand and Transient Analysis</li> <li>• Harmonics to 63rd Harmonic</li> <li>• LAN Interface for PC Connection</li> </ul>
Sinergy	E-Tracker 2	<b>Portable Energy Analyser</b> <ul style="list-style-type: none"> <li>• Three Voltage and Current Channels</li> <li>• Logging of Power Usage</li> <li>• Harmonics on 3 phase supplies</li> <li>• LCD Display</li> </ul>
Sinergy	SC216	<b>Current Clamp for E-Tracker</b> <ul style="list-style-type: none"> <li>• Set of 3/100 Amp clip on Transducers</li> <li>• Use with E-Tracker.</li> </ul>
Yokogawa	WT210	<b>Digital Power Meter</b> <ul style="list-style-type: none"> <li>• Single Phase Power Meter</li> <li>• Voltage Ranges 15V to 600V rms</li> <li>• Direct Current Input 5 mA to 20 A</li> <li>• Frequency Range DC to 100 kHz</li> </ul>
Yokogawa	PZ4000	<b>Three Phase Power Analyser</b> <ul style="list-style-type: none"> <li>• Modular Graphical Power Analyser</li> <li>• Accepts up to 4 input Modules</li> <li>• 253751 Modules supplied as standard</li> <li>• 0 to 1000 Volts RMS</li> <li>• 1 to 5 Amps RMS</li> <li>• GPIB, Serial, Parallel &amp; SCSI Interfaces</li> </ul>



**Doble TDR9000**  
**Circuit Breaker Test System**

- Comprehensive test for circuit breakers
- High-accuracy motion recording.

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Manufacturer	Product	Description
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## POWER QUALITY

Doble	F6150	<b>Power System Simulator</b> <ul style="list-style-type: none"><li>• Exceptional test flexibility</li><li>• Six independent, direct-coupled sources</li><li>• Rated 150 VA at 0–30 A</li><li>• Operates from a PC interface</li></ul>
Doble	TDR9000	<b>Circuit Breaker Test System</b> <ul style="list-style-type: none"><li>• Comprehensive solution.</li><li>• Comprehensive test for circuit breakers</li><li>• High-accuracy motion recording.</li><li>• Patented digital rotary/linear Transducer</li><li>• Provides early diagnosis of mechanical problems</li></ul>
Doble	ADPA	<b>Acoustic Partial Discharge Analyzer</b> <ul style="list-style-type: none"><li>• Monitors acoustic signals</li><li>• Ultrasonic sensor electrically insulated in glass fibre rod</li><li>• Quality assurance of new terminations</li><li>• Ideal for commissioning &amp; maintenance</li></ul>
Elgar	5250A-431	<b>AC/DC Power Supply</b> <ul style="list-style-type: none"><li>• Output V 0 - 312 VAC RMS/156 V DC</li><li>• Max Output Current 13 Amps/phase</li><li>• Three Phase Output</li><li>• Max Output Power 1750 VA</li><li>• GPIB Interface</li></ul>
Fluke	1653	<b>Multifunction Installation Tester</b> <ul style="list-style-type: none"><li>• Performs all basic installation tests</li><li>• EN 61557 and VDE 0413 standards</li><li>• Battery Operated</li></ul>

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### Megger DET 5/4R Earth Tester

- 20 to 20 k in 4 ranges
- Test Currents 100  $\mu$ Amp - 10 mAmp

Manufacturer	Product	Description
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## POWER QUALITY

Kikusui	TOS5101	<b>Withstanding Voltage Tester</b> <ul style="list-style-type: none"> <li>• AC/DC Output (0 to 10 kV)</li> <li>• Large Color Display</li> <li>• Digital Voltmeter and Ammeter</li> <li>• Digital Timer</li> </ul>
Megger	DET 5/4R	<b>Earth Tester</b> <ul style="list-style-type: none"> <li>• Earth Resistance Test</li> <li>• 20 to 20 k in 4 ranges</li> <li>• Test Currents 100 <math>\mu</math>Amp - 10 mAmp</li> <li>• Battery Operated</li> </ul>
Megger	D7001	<b>Digital Ohmmeter</b> <ul style="list-style-type: none"> <li>• Low Resistance Tester</li> <li>• Resistance range 5999<math>\mu</math> - 60</li> <li>• Test Current up to 10A</li> <li>• Battery Operated</li> </ul>
Megger	BM11D	<b>Insulation Tester</b> <ul style="list-style-type: none"> <li>• Test Voltages:</li> <li>• 100/1000/2500 &amp; 5000 Volts</li> <li>• Measurement Range 10 k - 1 T</li> <li>• Battery Operation</li> <li>• Weatherproof to Ip54</li> </ul>
Megger	BM21	<b>Insulation Resistance Tester</b> <ul style="list-style-type: none"> <li>• Insulation Tester</li> <li>• 5 T with Test voltages:</li> <li>• 25 V to 5000 V</li> <li>• Battery Operated</li> </ul>



### Megger MIT520

#### Insulation Resistance Tester

- Test Voltages from 50 Volts to 5 kVolts
- Display Range from 10 k to 15 T

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Manufacturer	Product	Description
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## POWER QUALITY

Megger	FT6	<b>High Voltage Tester</b> <ul style="list-style-type: none"><li>• Insulation Test Set</li><li>• Test Voltages up to 4 kV DC &amp; 6 kV AC</li><li>• Mains Operated</li></ul>
Megger	DLRO200	<b>Digital Low Resistance Ohmmeter</b> <ul style="list-style-type: none"><li>• Measurement Range 0.1 to 999.9 m</li><li>• Measurement Current from 10 A - 200 A DC</li><li>• Storage of up to 300 result sets</li><li>• RS-232 Interface</li></ul>
Megger	MIT510	<b>5kV Volt tester</b> <ul style="list-style-type: none"><li>• Test Voltages from 250 Volts to 5 kVolts</li><li>• Display Range from 10 k to 15 T</li><li>• Short Circuit Current 3 mA</li><li>• Mains or Battery Operation</li></ul>
Megger	MIT520	<b>Insulation Resistance Tester</b> <ul style="list-style-type: none"><li>• Test Voltages from 50 Volts to 5 kVolts</li><li>• Display Range from 10 k to 15 T</li><li>• Short Circuit Current 3 mA</li><li>• Internal data storage in 32 kB memory</li><li>• USB and RS-232 Interfaces</li></ul>
Omicron	VE001314	<b>CMC 156 Advanced Protection Package</b> <ul style="list-style-type: none"><li>• Three Phase Voltage &amp; Current Test Set</li><li>• Voltage Range 0 to 250Volts</li><li>• Maximum Power Output 100 W</li><li>• Current Range 0 to 21 Amps AC or 30 Amps DC</li><li>• DC Voltage and Current Metering</li></ul>

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**Robin KTS1630  
Multifunction Tester**

- Multifunction Electrical Test Set
- Full compliance to the BS 7671 Standard



Manufacturer	Product	Description
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## POWER QUALITY

Robin	KTS1630	<p><b>Multifunction Tester</b></p> <ul style="list-style-type: none"> <li>• Multifunction Electrical Test Set</li> <li>• Full compliance to the BS 7671 Standard</li> <li>• Mains Powered</li> </ul>
T & R	PT30-10	<p><b>High Voltage Cable Test Set</b></p> <ul style="list-style-type: none"> <li>• High Voltage Insulation Test</li> <li>• <math>\pm 30</math> kV, 10 mA</li> <li>• Voltage and Current Metering</li> <li>• Mains Operated</li> </ul>
T & R	PCU1/E	<p><b>PCU1/E + LU3000A Primary Injection Test</b></p> <ul style="list-style-type: none"> <li>• Primary &amp; Secondary Injection Test System</li> <li>• 3000 A Primary &amp; 100 A Secondary Outputs</li> <li>• Maximum Output Rating 6.9 kVA</li> <li>• Mains Operated</li> </ul>
T & R	10A 3PH/E	<p><b>3-Phase Secondary Injection Test Set</b></p> <ul style="list-style-type: none"> <li>• Secondary Injection Test</li> <li>• 0 to 10 Amp Output per phase</li> <li>• True RMS Metering</li> <li>• Mains Operated</li> </ul>



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### T & R DVS3

#### 3 Phase Relay Test Set

- 3 Phase Digital Voltage Source
- Tests In-circuit protection relays

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Manufacturer	Product	Description
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## POWER QUALITY

T & R	DVS3	<b>3 Phase Relay Test Set</b> <ul style="list-style-type: none"><li>• 3 Phase Digital Voltage Source</li><li>• Tests In-circuit protection relays</li><li>• Voltage Range 0 to 130VAC</li><li>• Frequency Range 40 Hz to 1 kHz</li><li>• Phase Angle adjustable <math>\pm 180^\circ</math></li></ul>
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T & R	200ADM	<b>Current Injection System</b> <ul style="list-style-type: none"><li>• Secondary Injection Test Set</li><li>• Output Current 0 to 200 Amps AC</li><li>• True RMS Digital Metering</li><li>• Mains Operation</li></ul>
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## OTHER RENTAL CATALOGUES FROM LIVINGSTON



- Transmission & Datacomms
- Optical & Datacomms
- RF Microwave & General Purpose

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### Fluke Ti20

#### Thermal Imager

- -10 to +350 ° C Temperature Range
- 128 x 96 FPA Detector

Manufacturer	Product	Description
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## POWER QUALITY

Flir	PM595	<b>Thermal Imaging Camera</b> <ul style="list-style-type: none"> <li>• -40 to 2000 ° C Temperature Ranges</li> <li>• 320 x 240 FPA Detector</li> <li>• PCMCIA Card for Image Storage</li> <li>• Supplied with 45 ° Lens</li> <li>• Composite Video Output</li> </ul>
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For help with technical specifications call Paul on +44 (0) 20 8943 5151

Flir	PM695LWB	<b>Thermal Imaging Camera</b> <ul style="list-style-type: none"> <li>• -20 to +120 ° C Temperature Range</li> <li>• 320 x 240 FPA Detector</li> <li>• PCMCIA Card for Image Storage</li> <li>• Composite Video Output</li> </ul>
Flir	E65	<b>Handheld Thermal Imaging Camera</b> <ul style="list-style-type: none"> <li>• Temperature Range -20 ° to +250 ° C</li> <li>• 160 x120 FPA Detector</li> <li>• Internal Storage of 200 Images</li> <li>• USB Interface</li> </ul>
Fluke	Ti20	<b>Thermal Imager</b> <ul style="list-style-type: none"> <li>• -10 to +350 ° C Temperature Range</li> <li>• 128 x 96 FPA Detector</li> <li>• Internal Storage for 50 Images</li> <li>• USB Interface</li> <li>• InsideIR Thermal Analysis Software</li> </ul>



**B & K 2260**

**Sound Level Analyser**

- Type 1 Precision Sound Level Meter
- 90 dB to 140 dB Measuring Ranges

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Manufacturer	Product	Description
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**POWER QUALITY**

<b>B &amp; K</b>	<b>2260</b>	<b>Sound Level Analyser</b> <ul style="list-style-type: none"><li>• Type 1 Precision Sound Level Meter</li><li>• 90 dB to 140 dB Measuring Ranges</li><li>• 10 Hz to 20 kHz Frequency Response</li><li>• Internal 30MB Hard Disk</li><li>• RS-232C Interface</li></ul>
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<b>B &amp; K</b>	<b>2238C</b>	<b>Sound Level Meter</b> <ul style="list-style-type: none"><li>• Type 1 Precision Sound Level Meter</li><li>• 70 dB to 140 dB Measuring Ranges</li><li>• 10 Hz to 20 kHz Frequency Response</li><li>• 2 MB Storage for data and settings</li><li>• RS-232C Interface</li></ul>
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Call customer service on +44 (0) 20 8943 5151 to arrange rental extensions or equipment collections it only takes a minute or two

**For rental extensions or collections call  
+44 (0) 20 8943 5151**



<b>Diagnostic Instruments</b>	<b>2200 Portable FFT Analyser</b> <ul style="list-style-type: none"><li>• 2 Channel Real Time FFTAnalyser</li><li>• BNC i/p for AC &amp; DC Coupled Signals</li><li>• IPC Accelerometer inputs</li><li>• 70 dB Dynamic Range</li><li>• 1 MB RAM &amp; 512 kB Memory Card</li><li>• RS-232C Interface</li></ul>
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**Panametrics PT868R  
Ultrasonic Flowmeter**

- Non-Intrusive Liquid Flowmeter
- Velocity Range -40 - +40ft/s (-12.2 - +12.2m/s)

Manufacturer	Product	Description
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## POWER QUALITY

Endevco	5216	<p><b>Accelerometer</b></p> <ul style="list-style-type: none"> <li>• Dynamic Range 80 g</li> <li>• Output 100 mV/g</li> <li>• Frequency Response 10 Hz to 10 kHz</li> <li>• Requires External Power Supply</li> </ul>
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Panametrics	PT868R	<p><b>Ultrasonic Flowmeter</b></p> <ul style="list-style-type: none"> <li>• Non-Intrusive Liquid Flowmeter</li> <li>• Velocity Range -40 - +40ft/s (-12.2 - +12.2m/s)</li> <li>• Use with 12mm to 5m internal diameter pipes</li> <li>• 43.000 point Data Logging facility</li> <li>• RS-232C Interface</li> </ul>
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## When should I rent? When should I buy?

Research shows that over 50% of purchased equipment is either rarely or never used after the initial purchase. When your equipment is not used constantly rental will often be the cheaper option.

So, if you know you will need the equipment for more than 2-3 years without upgrading it in that time, purchase is the right decision. But if there is any uncertainty or risk (financial or obsolescence), rental costs you less and gives you greater flexibility and control.

**For more info on when to rent or when to buy call  
+44 (0) 20 8943 5151 or see page 3**



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