

SHORT FORM CATALOGUE

KILOVOLT METER SYSTEM, HIGH VOLTAGE D.C POWER SUPPLIES, HIGH VOLTAGE CABLE TEST AND FAULT LOCATING EQUIPMENT, CABLE TEST VANS, CURRENT INJECTION TEST SETS, HIGH VOLTAGE A.C. TEST SETS.

Detailed illustrated pamphlets or technical specifications of all the test instruments listed are available and will be supplied on request.

CONSOLE AND FIXED HIGH VOLTAGE AC TEST SETS

Console Type AC test Sets (On Castors)

RX30/25AC	Standard Console AC Test Set 30kV 25/50 mA, 750/1500 VA
RX40/125AC	Standard Console AC Test Set 40Kv 125/200 mA, 5/8 kVA
RX25/100AC	Console Control Unit and Separate High Voltage Unit 25kV ½ Amps 25/50 kVA

Fixed Type AC Test Sets

Available at various voltages, these include an HV Transformer together with a Transformer Control Unit. Direct measurements of the output voltage is provided by resin cast HV resistors.

MANUAL CONTROL UNITS

TCU2, TCU3, TCU4 AND TCU5 RATED:
1kV, 4kV, 9kVA and 15 kVA.

MOTORISED REGULATOR CONTROL UNITS

TCU6, TCU7, TCU8 AND TCU9 rated:
25 kVA, 20 kVA, 15 kVA and 10 kVA.

ELECTRONICALLY PROGRAMMED CONTROL UNITS

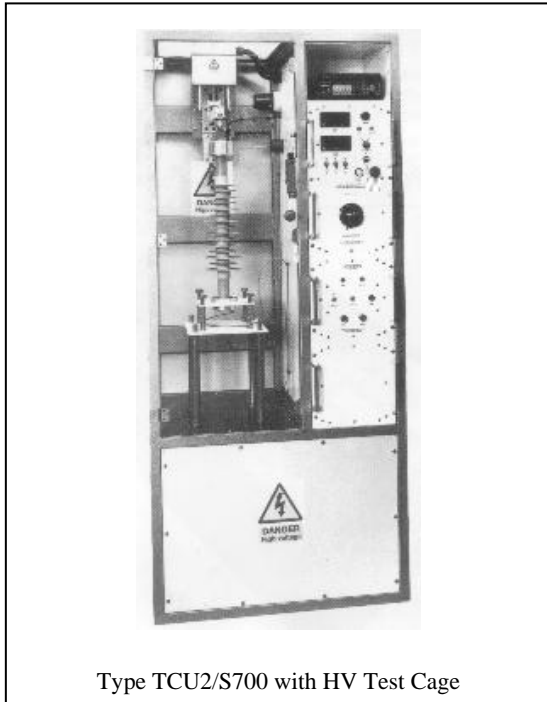
TCU2/MEA to TCU5/MEA rated up to 15 kVA

MICROPROCESSOR PROGRAMMED CONTROL UNITS

TCU2/MEP to TCU5/MEP rated up to 15 kVA

Transformers

High Voltage Transformers are offered in standard E.H.T. voltages of 10, 20, 30, 50 & 100 kV.a.c., having an input voltage of 240 kV.a.c. single phase. Other voltages are available to special order.



Type TCU2/S700 with HV Test Cage

HIGH VOLTAGE CONNECTORS

Panel Mounted Sockets All available at
Free Plugs ratings of:
Free Sockets 30, 60, 90 & 120 kV.d.c
Coupler Sockets

MEGOHMMETERS

IRT High Power 500 Volt megohmmeter
20 kilohms to 10,000 Megohms
0 – 500 Volts, Linear Ohms scale.
IRT 5000R 5 kV High Voltage megohmmeter
200 kilohms to 100,000 Megohms
0 – 5000 Volts, Linear Ohms scale.

SPECIAL TEST INSTRUMENTS

PCI 3000 D.C. D.C. Current Injection Test Set 250 Amps and 750 Amps at 3 kVA.
SCI 503 D.C. D.C. Secondary Injection Test Set, 3 ranges to 60 Amps.
ATC 1000 Automatic Tracking comparator, C.T.I. measured up to 1000 V.a.c., BS 5901.
VGPS 1 1.5 Kv/3 kV Unit for Pilot Wire burning and Sheath fault Location.
RTS 4 Current/Voltage Source, Designed for testing Automatic Voltage Control Relays.
HV D.C. Test Sets Various models, designed for special applications. Details on request.

HIGH VOLTAGE SWITCHES

HVS 10S	Solenoid Operated Switch up to kV d.c	Standard Banks up to 7 poles.
HVS 30SL	Solenoid Operated Switch up to 30 kV d.c.	
HVS 60SL	Solenoid Operated Switch up to 60kV d.c.	
HVS 100SL	Solenoid Operated Switch up to 100 kV d.c	
HVS 40MR	6-Way Manual Rotary Switch up to 40 kV d.c.	3-pole, 6-way switch available
DES 40	Combined Dump & Earth Switch (Hydraulic delay) Discharge resistors	Rack Mounting Instrument.

HIGH VOLTAGE CABLE TEST AND FAULT LOCATING EQUIPMENT

TEST VAN INSTRUMENTS

11 kV 'DISTRICT' Test Van Equipment

- RX30030/15 Pressure and Burnout test Set
+ 30 kV at 10mA, and -15kV at 50Ma.
- CDU 12SR Shockwave Fault Locator and Burnout Test Set
576 JOULES (Ws) Surge Generator at 6 kV and 12 kV.
- RX9/32 High Power Burnout test set
9Kv, 4.5 kV, 500/250V, ranges at 4.5/9.0 kVA.
- SD 1A Shockwave Detector
Dual receiver with Acoustic & Magnetic Probes.

33 kV 'Area/Group' Test van Equipment

- RX80/20 Pressure and Burnout test Set
+ 80 kV at 20 mA, - 80 kV at 20 mA.
+ 40 kV at 40 mA, - 40 kV at 40 mA.
+ 40 kV and - 40 kV at 20 mA between phase.
- CDU 24C Shockwave Fault Locator
576 joules (Ws) Surge generator
3 ranges 24kV, 12 kV, and 6kV.
- RX20/36 High Power Burnout Test Set
20 kV, 10 kV, 5 kV, 750V, and 250V,
ranges at 4.5/9.0 kVA. Max Current 36 Amps.



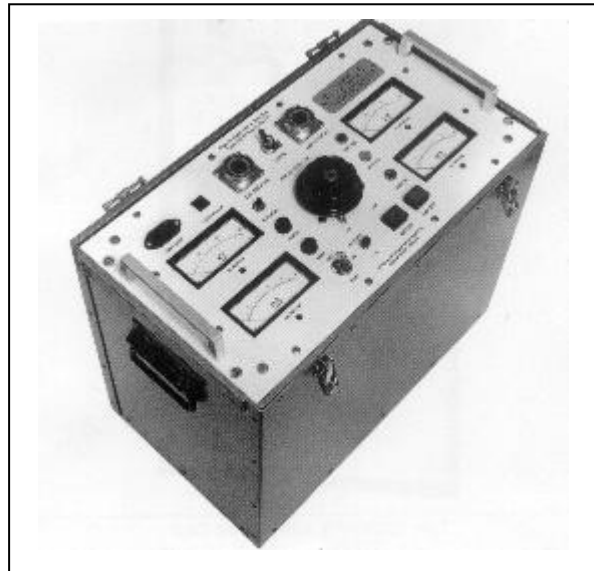
PORTABLE TEST INSTRUMENTS

11Kv 'District' Portable Test Sets

- RX40/5PL 40 kVdc pressure test Set
+ or - 40 kV at 4 mA, + or - 20 kV at 8mA,
+ and - 20 kV at 4 mA between phase
- RX10/14P High Power Burnout Test Set
10kV, 3kV, 1000/300 V ranges at 1.4/4.0 kVA.
- CDU 12SP Shockwave Fault Locator
6 kV and 12 kV 288 joule (Ws) Surge Generator.

Portable/ Transportable test Sets

- RX30/4P 30kV Pressure Test Set
+ and - 30 kV at 4 mA, maximum current 10 mA,
line to earth and between phase.
- RX80/4P 80 kV Pressure Test Set (2 units)
Up to 80 kV at 4 mA, maximum current 10 mA.
- RX16/40 High Power Burnout test Set (2 units)
7 ranges from 16 kVdc to 150 Vac,
3.3/6.6 kVA, Max. Current 40 Amps.
- CDU 24T Shockwave Fault Locator
576 joules (Ws) Surge Generator
output at 6 kV, 12 kV and 24 kV.



Type RX30

CABLE TEST VANS

STANDARD TEST VANS

'District' test Van (30 kV)

Test Van, available in panel van or chassis/cab with box body form, incorporating 11 kV 'District' Test Van equipment above. All cables, drums, and mains distribution panel TV50 fitted. Alternator, Prelocator, Twist-field locator, bench, and sink unit included. Air-conditioning and 4 wheel drive available on export version.

'Area/Group' Test Van (80 kV)

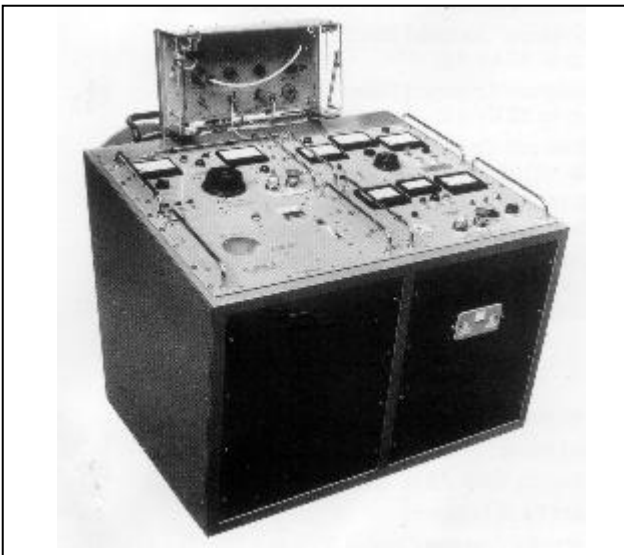
Test Van, available in panel van or chassis/cab with box body form, incorporating 33 kV 'Area/Group' Test Van equipment above. All auxiliary items as 'District' Test Van, but featuring in addition a complete cable switching facility up to 40 kV for rapid fault location.

40 kV Test Van Module

Pre-assembled module incorporating the 'District' Portable test instruments with HV Patch panel and TV30 mains distribution panel. Cables included. Will 'Folk-Lift' into Transit size panel van.

TEST VAN AUXILIARY EQUIPMENT

- TV30 30 Amps Mains Distribution Panel
- TV50 50 Amps Mains/Alternator Distribution Panel
- TV80 80 Amps Mains/Alternator Distribution Panel
- HVS40/3 3-pole 6 way 40 kV switch for use in Test Vans



40 kV Test Van Module

KILOVOLT METER SYSTEMS

A system of high voltage measurement using matched sets of resin cast, hermetically sealed, resistor columns. All types of measurement available in a variety of configurations for differing applications.

Standard columns of 30, 40 & 100 kV giving various ranges up to maximum of 1000 kV. Lower voltage columns are available.

KILOVOLT METERS – MEAN READING

AC & DC or DC only. Analogue Meter.

Type RX100/FS/AC	Field Service	maximum	30 kV
Type RX100/ZB/AC	Compact Portable	maximum	
60 kV			
Type RX100/GA/AC	Portable	maximum	120 kV
Type RX100/ZB/AC	Semi-portable	maximum	240 kV
Type RX100/Z/AC	Fixed	maximum	1000 kV

KILOVOLT METERS – PEAK AND MEAN READING

AC & DC, Peak and Mean, Dual Analogue Meters.

Type RX100/ZB/PMUA	Semi-Portable	maximum	240 kV
Type RX100/Z/PMUA	Fixed	maximum	1000 kV

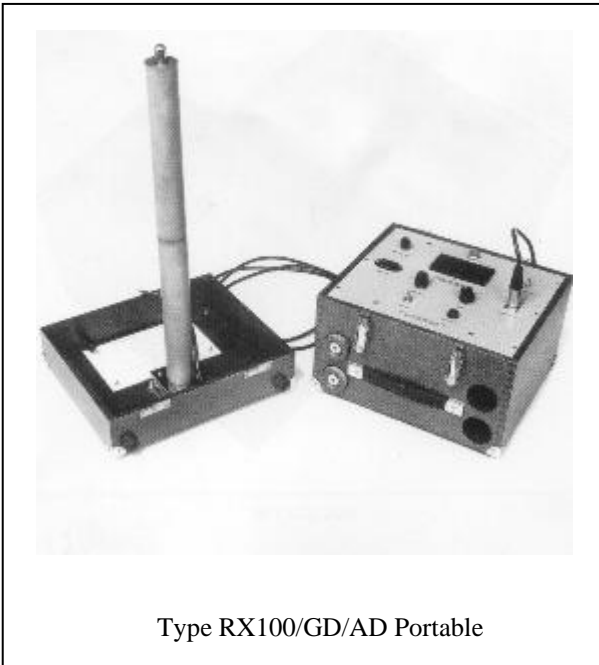
KILOVOLT METERS – DIGITAL

AC & DC, Mean reading, Digital Display.

Type RX100/ZBD/AC	Compact Portable	maximum	60 kV
Type RX100/GD/AC	Portable	maximum	120 kV
Type RX100/ZBD/AC	Semi-portable	maximum	240 kV
Type RX100/ZD/AC	Fixed	maximum	1000 kV

AC & DC, Peak and Mean reading, Digital Display.

Type RX100/ZB/PMUD	Semi-portable	maximum	240 kV
Type RX100/Z/PMUD	Fixed	maximum	1000 kV



Type RX100/GD/AD Portable

HIGH VOLTAGE DC POWER SUPPLIES

All D.C. Power Supplies are 50 Hz derived, Smoothed D.C. output, and use quality components for high reliability. Comprehensive metering, protection, and alarm signalling is included. The Series 90s are stabilised supplies.

SERIES 60E

RX30/2RE	30 kV	2mA
RX60/1RE	60 kV	1mA

SERIES 90S

RX15/6RS	15 kV	6mA
RX30/3RS	30 kV	36mA
RX45/2RS	45 kV	2mA
RX60/1.5RS	60 kV	1.5mA

SERIES 120

RX15/8R	15 kV	8 mA
RX30/4R	30 kV	4 mA
RX45/3R	45 kV	3 mA
RX60/2R	60 kV	2 mA

SERIES 360

RX15/24R	15 kV	24 mA
RX30/12R	30 kV	12 mA
RX45/8R	45 kV	8 mA

SERIES 750

RX15/50C	15 kV	50 mA
RX30/25C	30 kV	25 mA
RX45/15C	45 kV	15 mA
RX60/12C	60 kV	12 mA

SERIES 2000

RX25/80	25 kV	80 mA
RX50/40	50 kV	40 mA
RX75/25	75 kV	25 mA
RX100/20	100 kV	20 mA

CUSTOM BUILT TEST EQUIPMENT

The instruments detailed in this pamphlet are standard items in the company's range of products. The company is prepared to design and manufacture equipment to customer's requirements and will be pleased to quote against detailed specifications submitted. Examples of successfully completed projects are: Monitoring System for 11 kV Standby Cable Network, Test Instruments for Geiger Counter Metering And Reactor Core Thermocouples, testing and Measuring facility for AA gun Power Supplies, Insulated Tool Test Equipment, Semi-automatic Capacitor testing Equipment, test Facility for HV Auto-reclosing Switches.

CUSTOM BUILT TEST VEHICLES

The Company is prepared to design and equip Test Vehicles to customers Requirements and will be pleased to quote against detailed specifications Submitted. Examples of successfully completed projects are: Combined Oil test and Workshop Vehicle (Tropical), 100 kV.a.c., 30 kVA, Test Trailer, Test Van for measuring dielectric loss on motors and alternators.

