power system measurement

page 1

SUPPLIERS

PRODUCTS/SERVICES

	ABB Australia 61 2 9821 0111	AEMC Instruments www.aemc.com	AREVA T&D 61 2 9739 3000	Arthur D. Riley 64 4 472 7614	AVO New Zealand 64 3 348 5999	CABAC Toll Free 1800 769 370	Celemetrix 1800 256 838	Chase Power 61 7 3206 1105	CSE-Uniserve 61 2 8853 4200	Delstar NZ 64 9835 3400	EA Technology Aust. 61 7 3161 4593	Enertel 61 2 9615 9117	Extreme Safety 61 7 3282 0911	Fluke Australia 61 2 8850 3333	High Voltage Solution 64 2 7419 9952	HV Diagnostic Services www.hvds.co.nz	Hylec Energy Solutions 61 7 3890 0966	LazerTech2005 64 3 438 7694	Lord Power Equipment 1800 128 000	Macey's Electrical 61 2 4353 4644	Megavar 1 300 730 499	OBIAT 61 2 9550 3777	OMICRON electronics 61 3 9450 1507	Pacific Test Equipment 61 2 9659 2300	Power Parameters 61 3 9450 1500	Rans Electrical 1 300 56RANS	Schneider Electric 1300 369 233	SEL 61 3 9464 4711	Sicame Australia 61 7 3807 7022	Siemens 61 3 9721 2000	Sunstate Electrical 61 7 3488 0412	Thew & McCann 61 7 3826 6000	Tyco Electronics-Crompton 1300 656 090
Cable Fault Location *(See Page 84)*					✓												✓		✓	✓		✓			✓	✓						✓	
Conductor Mount Logger to 72kV				✓																✓													
Fault				✓																✓													
Load				✓																✓													
Current Injection Test Sets	✓		✓				✓					✓					✓			✓	✓		✓		✓	✓					✓		
Data Acquisition	✓		✓				✓		✓											✓		✓		✓	✓		✓						
Data Loggers		✓				✓	✓		✓											✓		✓		✓	✓	✓	✓				✓	✓	
Distribution Line Loggers		✓		✓																✓		✓										✓	
HV Line Attached				✓																													
LV Line Attached																						✓										✓	
Electrical Transducers	✓	✓	✓					✓		✓												✓		✓	✓		✓						✓
Analog/Digital	✓	✓	✓					✓		✓												✓		✓	✓		✓						✓
Current	✓	✓	✓					✓		✓												✓		✓	✓		✓				✓		✓
Energy	✓	✓	✓					✓		✓												✓			✓		✓				✓		✓
Frequency	✓	✓	✓					✓		✓												✓		✓	✓		✓				✓		✓
Power Factor	✓	✓	✓					✓		✓												✓		✓	✓		✓				✓		✓
Multi Function	✓	✓	✓					✓		✓												✓		✓	✓		✓						✓
Tap Change	✓	✓	✓					✓		✓															✓		✓						✓
VA	✓	✓	✓					✓		✓												✓		✓	✓		✓				✓		✓
Vars	✓	✓	✓					✓		✓												✓		✓	✓		✓				✓		✓
Voltage	✓	✓	✓					✓		✓												✓		✓	✓		✓				✓		✓
Watts	✓	✓	✓					✓		✓												✓		✓	✓		✓				✓		✓
Fault / Disturbance Recorders	✓		✓		✓	✓	✓		✓										✓	✓		✓			✓					✓			
Fault Recorders	✓		✓			✓														✓					✓					✓			
Transmission Line	✓		✓																	✓										✓	✓		
High Current AC & DC Metering																				✓		✓						✓					✓
6kA to 450kA																				✓		✓						✓					
DC Shunts																				✓													✓
Mainline Systems																				✓													
Rectifier Systems																				✓													
Forward Overcurrent Alarms																				✓													
HV Metering Units				✓						✓		✓								✓													
HV Test Sets	✓		✓		✓	✓	✓	✓				✓			✓	✓			✓	✓		✓			✓	✓					✓		
AC					✓		✓	✓		✓		✓			✓					✓	✓	✓			✓	✓					✓		
Corona Inspection					✓										✓	✓			✓	✓						✓						✓	
HV Impulse Testing (Transformers)	✓		✓		✓			✓				✓								✓											✓		
Insulation Testing to 5kV					✓		✓					✓								✓	✓	✓			✓	✓					✓		
VLF					✓		✓								✓	✓					✓				✓	✓					✓		
Installation Testers					✓	✓	✓					✓	✓	✓						✓		✓			✓	✓	✓						
Line-Loop					✓	✓						✓	✓	✓						✓		✓			✓	✓							
Multi-Function					✓	✓	✓						✓							✓		✓			✓	✓	✓				✓		
RCD					✓	✓	✓						✓							✓		✓			✓	✓	✓				✓		
Transformer Last Check					✓																	✓				✓							
Leakage Current Monitoring					✓															✓		✓											✓
Maintenance	✓		✓					✓							✓	✓		✓							✓				✓				
Predictive	✓		✓					✓							✓			✓			✓												
Preventative	✓		✓					✓							✓	✓		✓							✓								
Proactive	✓		✓					✓							✓			✓															
Meter Calibration Systems						✓	✓						✓							✓		✓	✓		✓								
Field Meter Testers						✓	✓						✓							✓		✓	✓										

power system measurement

page 2

SUPPLIERS

PRODUCTS/SERVICES

	ABB Australia 61 2 9821 0111	AEMC Instruments www.aemc.com	AREVA T&D 61 2 9739 3000	Arthur D. Riley 64 4 472 7614	AVO New Zealand 64 3 348 5999	CABAC Toll Free 1800 769 370	Celemetrix 1800 256 838	Chase Power 61 7 3206 1105	CSE-Uniserve 61 2 8853 4200	Delstar NZ 64 9835 3400	EA Technology Aust. 61 7 3161 4593	Enertel 61 2 9615 9117	Eng-Com www.engcom.com.au	High Voltage Solution 64 2 7419 9952	HV Diagnostic Services www.hvds.co.nz	Hylec Energy Solutions 61 7 3890 0966	LazerTech2005 64 3 438 7694	Lord Power Equipment 1800 128 000	Macey's Electrical 61 2 4353 4644	Maunsell AECOM 61 8 7100 6543	Megavar 1 300 730 499	OBIAT 61 2 9550 3777	OMICRON electronics 61 3 9450 1507	Pacific Test Equipment 61 2 9659 2300	Power Parameters 61 3 9450 1500	Rans Electrical 1 300 56RANS	Schneider Electric 1300 369 233	SEL 61 3 9464 4711	Sicame Australia 61 7 3807 7022	Siemens 61 3 9721 2000	Sunstate Electrical 61 7 3488 0412	Thew & McCann 61 7 3826 6000	Transformer Winding Svs. 1 800 124 747	Tyco Electronics-Crompton 1300 656 090	Warsash Scientific 61 2 9319 0122
Single & Three Phase - Laboratory							✓												✓			✓	✓		✓										
Three Phase Power Calibration							✓															✓	✓		✓										
Oil Testing			✓		✓		✓			✓	✓							✓	✓					✓	✓	✓									
On-line			✓		✓					✓		✓						✓	✓							✓									
Dissolved Gas Analysis																									✓										
Portable			✓		✓		✓			✓								✓	✓					✓	✓										
Partial Discharge Testing			✓		✓	✓	✓	✓		✓	✓	✓		✓	✓			✓	✓				✓	✓	✓	✓						✓			
Hand-held Testers					✓	✓				✓	✓	✓		✓	✓			✓							✓							✓			
Partial Discharge Monitoring			✓		✓		✓	✓			✓			✓	✓			✓	✓		✓		✓	✓	✓	✓					✓	✓			
Power Quality/Disturbance Analysers			✓	✓	✓		✓		✓			✓						✓	✓			✓	✓	✓	✓				✓	✓				
Power Meters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓		✓	✓			✓		✓	✓		✓	✓	✓	✓			✓	
Energy	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓		✓	✓			✓		✓	✓		✓	✓	✓	✓	✓		✓	
Harmonics	✓	✓	✓		✓	✓	✓	✓	✓							✓		✓	✓			✓		✓	✓		✓	✓	✓	✓			✓	
Phase Angle	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓			✓		✓	✓		✓	✓	✓	✓			✓	
Three Phase	✓	✓	✓		✓	✓	✓	✓	✓							✓		✓	✓			✓		✓	✓		✓	✓	✓	✓			✓	
W, VA, & VAR Power Factor	✓	✓	✓		✓	✓	✓	✓	✓	✓						✓		✓	✓			✓		✓	✓		✓	✓	✓	✓	✓		✓	
Waveform	✓	✓	✓		✓	✓	✓	✓	✓									✓	✓			✓		✓	✓		✓	✓		✓			✓	
Recording Instruments			✓			✓	✓		✓	✓									✓			✓		✓	✓				✓	✓		✓			
Chart						✓	✓		✓	✓												✓			✓					✓				
Solid State			✓			✓	✓		✓	✓									✓					✓	✓				✓	✓		✓			
Relay Testing Systems			✓		✓	✓	✓		✓			✓							✓		✓		✓	✓	✓	✓			✓		✓				
Remote Reporting Systems			✓			✓													✓							✓									
RFI Equipment					✓	✓	✓												✓																
Revenue Metering Equipment				✓				✓		✓															✓		✓			✓			✓		
Automatic Meter Reading				✓				✓										✓		✓					✓										
CT/VT Units up to 33kV				✓				✓		✓															✓		✓					✓		
CT/VT Comparative					✓			✓										✓							✓		✓							
Power Quality								✓																	✓		✓							
Sub-Metering Systems								✓																	✓		✓							
Revenue Metering Software																									✓									
Temperature Sensors					✓	✓	✓						✓					✓																	
Distributed					✓	✓							✓					✓																	
Hotspot					✓	✓	✓											✓																	
Test Cables					✓	✓								✓								✓		✓		✓									
Cable Reels					✓																	✓		✓										
Custom Made to IEC 61010					✓	✓																✓		✓										
Earth Testing					✓	✓								✓								✓	✓	✓		✓				✓				
HV – after Installation					✓	✓															✓													
TEV Discharge Detectors					✓						✓			✓	✓			✓																	
Transformer Testing Instruments					✓		✓					✓				✓		✓	✓			✓	✓	✓	✓									✓
Iron/Copper Loss					✓							✓							✓				✓	✓	✓									
Power Factor					✓		✓					✓				✓			✓			✓	✓	✓	✓									
Tap Changers					✓							✓							✓				✓	✓	✓	✓								
Temperature					✓							✓						✓	✓			✓	✓	✓	✓									✓
Transformer Comparator					✓							✓				✓		✓	✓			✓		✓	✓									
Transformer Last Check					✓											✓										✓								
Transformer Resistance					✓		✓					✓				✓	✓					✓	✓	✓	✓	✓				✓				
Turns Ratio					✓		✓					✓							✓			✓	✓	✓	✓	✓				✓				
Ultrasonic Discharge Detectors					✓						✓			✓	✓			✓						✓						✓	✓	✓			