

# General Purpose Test Equipment

## Section Index

### General Purpose Test Equipment



<b>Oscilloscopes</b>	<b>2</b>
- Digital Storage Oscilloscopes	2
- Analogue Oscilloscopes	3
- Oscilloscope Accessories	3



<b>Data Acquisition &amp; Recording</b>	<b>4</b>
- Chart Recorders	4
- Instrument Printers & Plotters	4
- Tape Recorders	5
- Data Loggers	5



<b>DC &amp; LF Test Equipment</b>	<b>6</b>
- Digital Voltmeters/Multimeters	6
- Multimeter Accessories	6
- Analogue Voltmeters/Multimeters	6
- LCR Instruments	7
- FFT & Dynamic Signal Analysers	7
- Decade Boxes	7
- Frequency & Time Standards	8
- Counters & Counter Timers	8
- Function Generators	9
- Pulse Generators	9
- DC Power Supplies	10
- AC Power Supplies & Inverters	11
- AC Power Conditioners	11



Oltre 3.000  
differenti tipi di  
prodotti

# Oscilloscopes

## Digital Storage Oscilloscopes

	Channels	Bandwidth DC to	Vertical Sensitivity per division	Sweep time per division	Sample rate	Memory/Channel	Colour Display	Floppy Disk	Hard Disk	CD-Rom	IEEE 488	RS232	Parallel	Other Information See notes	Dimensions (cm) H x W x D	Weight (kg)
<b>Agilent Technologies</b>																
54501A	4	100MHz	50mV to 40V	2ns to 5s	10Ms/s	512b				•					20 x 43 x 44	10
54610B	2	500MHz	2mV to 5V	1ns to 5s	20Ms/s	4kb				▼					17 x 32 x 32	6
54616C	2	500MHz	2mV to 5V	1ns to 5s	2Gs/s	5k	•			▼					17 x 32 x 32	7
54622D	2	100MHz	1mV to 5V	5ns to 50s	200Ms/s	2Mb				▼	•	•	16 channel Logic Analyser function	17 x 32 x 32	7	
54642D	2	500MHz	2mV to 5V	1ns to 50s	1Gs/s	4Mb				▼	•	•	16 channel Logic Analyser function	17 x 32 x 32	7	
54645D	2	100MHz	1mV to 5V	5ns to 50s	200Ms/s	1Mb				▼	•	•	16 channel Logic Analyser function	17 x 32 x 32	6	
① - 34810B													BenchLink Scope Software for 545xx & 546xx oscilloscopes			
② - 54650A										•			HPIB Module for 546xx series oscilloscopes			
54815A	4	500MHz	1mV to 5V	500ps to 5s	1Gs/s	32kb	•	•	1.4Gb	•	•	•	FFT analysis, Windows 95 I/f	22 x 44 x 44	11	
54820A	2	500MHz	1mV to 5V	500ps to 5s	2Gs/s	32kb	•	•	1.4Gb	•	•	•	FFT analysis, Windows 95 I/f	22 x 44 x 44	11	
54831B-M1	4	600MHz	1mV to 5V	500ps to 20s	2Gs/s	8M	•	•	5Gb	•	•	•	High Density LS-120 FDD	22 x 44 x 44	14	
③ 54832B-M1	4	1GHz	1mV to 5V	200ps to 20s	4Gs/s	8M	•	•	5Gb	•	•	•	High Density LS-120 FDD	22 x 44 x 44	14	
④ 54832D-M1	4	1GHz	1mV to 5V	200ps to 20s	4Gs/s	8M	•	•	5Gb	•	•	•	High Density LS-120 FDD	22 x 44 x 44	14	
⑤ 54855A-M1	4	6GHz	1mV to 1V	5ps to 20s	20Gs/s	1M	•	•	20Gb	•	•	•	High Density LS-120 FDD	22 x 48 x 44	13	
<b>LeCroy</b>																
LC564A	4	1GHz	2mV to 10V	1ns to 1000s	2GSa/s	250kb	•	•		•	•	•		27 x 40 x 46	16	
LT344	4	500MHz	2mV to 10V	1ns to 1000s	500Ms/s	250kb	•	•		•	•	•		21 x 35 x 30	8	
<b>Tektronix</b>																
TDS340-14	2	100MHz	2mV to 10V	5ns to 5s	500Ms/s	1kb				•	•	•	Edge & Video triggering; VGA output	19 x 36 x 47	7	
⑥ TDS694C-1M-HD	4	3GHz	10mV to 1V	0.1ns to 10s	10GS/s	120kb	•	•	•	•	•	•	Waveform Maths	24 x 45 x 43	12	
⑦ TDS784D-M1	4	1GHz	1mV to 10V	0.2ns to 10s	1-4Gs/s	8Mb	•	•	•	•	•	•		20 x 45 x 43	14	
⑧ TDS3012	2	100MHz	1mV to 10V	4ns to 10s	1.25Gs/s	10kb	•	•		▼	▼	•		18 x 38 x 15	3	
⑨ TDS3014	4	100MHz	1mV to 10V	4ns to 10s	1.25Gs/s	10kb	•	•		▼	▼	•	Includes FFT and advanced triggering modules	18 x 38 x 15	3	
⑩ TDS3032	2	300MHz	1mV to 10V	2ns to 10s	2.5Gs/s	10kb	•	•		▼	▼	•		18 x 38 x 15	3	
⑪ TDS3032B	2	300MHz	1mV to 10V	2ns to 10s	2.5Gs/s	10kb	•	•		▼	▼	•	Includes Ethernet port and eScope software	18 x 38 x 15	3	
⑫ TDS3034	4	300MHz	1mV to 10V	2ns to 10s	2.5Gs/s	10kb	•	•		▼	▼	•	Includes FFT and advanced triggering modules	18 x 38 x 15	3	
⑬ TDS3052	2	500MHz	1mV to 10V	1ns to 10s	5Gs/s	10kb	•	•		▼	▼	•		18 x 38 x 15	3	
⑭ TDS3054	4	500MHz	1mV to 10V	1ns to 10s	5Gs/s	10kb	•	•		▼	▼	•	Includes FFT and advanced triggering modules	18 x 38 x 15	3	
⑮ TDS7054-1M	4	500MHz	1mV to 10V	200ps to 40s	5Gs/s	2Mb	•	•	4.3Gb	•	•	•	Includes 4x P6139A 500MHz 10x Passive Probes	28 x 46 x 43	18	
⑯ TDS7104-2M	4	1GHz	1mV to 10V	200ps to 40s	10Gs/s	8Mb	•	•	4.3Gb	•	•	•	Includes 4x P6245 1.5GHz Active Probes	28 x 46 x 43	18	
⑰ - DocuWave													Measurement Software for Tektronix digital oscilloscopes			

▼ Available as an option.

- ① Agilent Technologies 34810B: Requires IBM PC or compatible
- ② Agilent Technologies 54650A: Provides remote control and screen dump
- ③ Agilent Technologies 54832B-M1 Opt 004: Four 1165A 500MHz passive probes
- ④ Agilent Technologies 54832D-M1 Opt 004: Four 1165A 500MHz passive probes
- ⑤ Agilent Technologies 54855A-M1 Opt 001: 1M memory
- ⑥ Tektronix TDS694C-1M-HD: Opt 1M: 120kb record length; Opt HD: Internal hard disk drive
- ⑦ Tektronix TDS784D-M1: Opt 2M: 2M/ch extended memory and HDD; Opt 05: Video trigger; Opt 2C: Comms Analyser (inc triggers and masks); Opt 37: Add 1 each P6245 active probe
- ⑧ Tektronix TDS30x2: Optional battery pack, serial interface, FFT module, triggering module and video trigger module available
- ⑨ Tektronix TDS30x4: Optional battery pack, serial interface and video trigger module available
- ⑩ Tektronix TDS7054-1M: Option 1M: 2M samples max, 500k samples/ch
- ⑪ Tektronix TDS7104-2M: Option 2M: 8M samples max, 2M samples/ch
- ⑫ Tektronix DocuWave: Requires IBM PC or compatible

**Verify..  
Digital  
Communication  
Oscilloscopes  
Pag 44**

# Oscilloscopes

## Analogue Oscilloscopes

	Channels	Bandwidth DC to	Vertical Sensitivity per division	Sweep time per division	Other Information	Dimensions (cm) H x W x D	Weight (kg)
<b>Tektronix</b>							
TAS475	4	100MHz	2mV to 5V	2ns to 0.5s		19 x 36 x 56	9
2465	4	300MHz	2mV to 5V	0.5ns to 1.5s	Delta time & voltage cursors	19 x 34 x 51	10
2465B	4	400MHz	2mV to 5V	0.5ns to 1.5s	Delta time & voltage cursors	19 x 34 x 51	10

## Oscilloscope Accessories

	Type	Bandwidth DC to	Maximum Input	Input Impedance	Lead Length (cm)	Other Information	Dimensions (cm) H x W x D	Weight (kg)
<b>Agilent Technologies</b>								
1159A	Differential Probe	1GHz	42V	1MΩ		For use with 548xx series oscilloscopes		1
54006A	Passive Divider Probe Kit	6GHz	5Vpp	500/1kΩ	100	For use with 54xxx series oscilloscopes		1
E2625A	Communication Mask Test Kit					For use with 548xx series oscilloscopes		1
E2698A	Ethernet Mask Test Kit					For use with 5483x and 5485x oscilloscopes		1
<b>LeCroy</b>								
HFP3500	Active Probe	3.5GHz	4V	100kΩ	1300	For use with WaveMaster oscilloscopes		<1
<b>Tektronix</b>								
P5100	Oscilloscope Probe	75MHz	2.5kVp	10MΩ	300			
P6015A	1000:1 Probe	75MHz	40kVp	100MΩ	300	Non CFC Dielectric	9 x 8 x 34	3
P6139A	Passive Voltage Probe	500MHz	300V	10MΩ	1300	Use with TDS Series oscilloscopes		
P6150	50Ω Divider	9GHz	12.5VRMS		100	For use with CSA8000 & TDS7404		
P6201	FET Probe	900MHz	200V	1MΩ	180	Requires power supply		1
P6202A	FET Probe	500MHz	200V	10MΩ	200	Requires power supply		
P6245	Active FET Probe for SMD	1.5GHz		1MΩ		Recommended uses: TDS700 series		
P6246	Differential Active Probe	400MHz	70V	100/500kΩ	120	Use with TDS Series oscilloscopes		1
A6302	Current Probe	50MHz	20A		200	Use with AM503 amplifier		
A6303	Current Probe	15MHz	100A		200	Use with AM503 amplifier		
P6302	Current Probe	50MHz	20A		200	Use with AM503 amplifier		
P6303	Current Probe	15MHz	100A		200	Use with AM503 amplifier	7 x 5 x 26	1
AM503	Current Probe Amplifier	50MHz				Use with TM500 Series Power Supply	13 x 7 x 30	1
AM503B	Current Probe Amplifier	50MHz				Use with TM500 Series Power Supply	13 x 7 x 30	1
TM50x	PSU Mainframe					Requires plug-in modules		
AFTDS	Differential Signal Adaptor	120MHz				For use with AMT75		
TCP202	Current Probe	50MHz	15A		220	Max Peak Pulse Current: 50A		<1
TDS3BAT	Battery Pack					For use with TDS3000 series		
TDS3FFT	FFT Application Module					For use with TDS30x2 models		
TDS3GM	GPIB/RS232 Interface					For use with TDS3000 series		
TDS3GV	GPIB/RS232 VGA Interface					For use with TDS3000 series		
TDS3TRG	Advanced Trigger Module					For use with TDS30x2 models		
TDS3VID	Extended Video Module					For use with TDS3000 series		
WaveStar 0	WaveStar for Oscilloscopes					Compatible with TDS series/Win 95 & NT		

# Data Acquisition & Recording

## Chart Recorders

Brand	Channels	Full Scale Input Range	Max Frequency Response	Channel Width mm	Chart Speed	Chart Size WxL	Thermocouple PRT	Conditioning Filtering Alarm Function	Writing System	Event Markers Annotation Selectable Grids	Memory Size	IEEE 488 RS232 DC Supply	Dimensions (cm) H x W x D	Weight (kg)
<b>Graphtec</b>														
① WR310-M1	16	50mV to 500V	20kHz	200	1mm/hr to 50mm/s	200mm/40m	•	• Thermal array	•	• 1M	•	•	13 x 38 x 30	7
<b>NEC</b>														
② RT3608	8	100mV to 500V	20kHz	1x200, 8x25	1mm/min to 200mm/s	220mm/30m	•	• Thermal array	• • •	• 256k	• •	•	15 x 41 x 28	8
③ RT31-110	1													1
<b>Sefram</b>														
④ DAS1000/16	16	1mV to 1000V	30kHz	n/a	n/a	n/a	• •	• Paperless Recorder		• 16Mwords	•	•	20 x 35 x 26	8
⑤ DAS1000/8	8	1mV to 1000V	30kHz	n/a	n/a	n/a	• •	• Paperless Recorder		• 16Mwords	•	•	20 x 35 x 26	8
<b>Yokogawa</b>														
ORP1200	4	100mV to 500V	40kHz	1x160, 4x40	10mm/hr to 100mm/s	210mm/50m	•	• Thermal array	• • •	• 128k	•	•	17 x 32 x 44	8
3711-21	2	10mV to 200V	DC	250	10mm/hr to 20mm/s	250mm/20m	• • •	• Wet pen					20 x 44 x 32	14
3711-45	4	10mV to 200V	DC	250	10mm/hr to 20mm/s	250mm/20m	• • •	• Wet pen					20 x 44 x 32	14
3750-12DC	10	20mV to 50V	DC	150	1 to 1500mm/hr	230mm/20m	• • • •	• 10 colour dot raster	• •		•	•	21 x 34 x 34	10
3750-22DC	20	20mV to 50V	DC	150	1 to 1500mm/hr	230mm/20m	• • • •	• 10 colour dot raster	• •		•	•	21 x 34 x 34	10

- ① Graphtec WR310-M1: Internal 40Gb hard disk (1 file: 2 GB max.); LAN and USB interfaces; Includes 8x WR3-M 2-channel amplifiers
- ② NEC RT3608: Includes: 8x RT31-144 DC Amplifier input units
- ③ NEC RT31-110: Event Amplifier unit for RT3608
- ④ Sefram DAS1000/16: 4.3Gb HDD; 4x VAC rms inputs; 14bit resolution; 250kHz sampling rate max; Power, Energy and Harmonic Analysis; RS232 & Centronics Interfaces
- ⑤ Sefram DAS1000/8: 4.3Gb HDD; 4x VAC rms inputs; 14bit resolution; 250kHz sampling rate max; Power, Energy and Harmonic Analysis; RS232 & Centronics Interfaces

## Instrumentation Printers & Plotters

Brand	Type	Speed	Resolution dpi	Colour Capability	Number of Pens	Memory	A3	A4	Continuous	Friction	Tractor	PCL3	HP-GL	RS232	IEEE 488	Parallel	Dimensions (cm) H x W x D	Weight (kg)	
<b>Datac</b>																			
① 1009-0100	Portable Dot Matrix Printer	45cps							•	•				•			9 x 11 x 20	1	
② 1255-713	Portable Dot Matrix Printer	40cps							•	•				•			9 x 11 x 20	1	
<b>Hewlett-Packard</b>																			
③ C2655A	DeskJet 340C	3ppm	300 x 300	•		48kB		•	•	•						•	7 x 31 x 15	2	
④ DeskJet 350CBi	DeskJet 350CBi	5ppm	600 x 300	•		512kB		•	•	•						•	7 x 40 x 15	2	
DeskJet 450CBi	DeskJet 450CBi	5ppm	1200x1200	•		16Mb		•	•	•						•	8 x 34 x 17	2	
2225A	Ink-jet Matrix	150cps				1kB			•	•				•			9 x 29 x 21	3	
2225C	Ink-jet Matrix	150cps				1kB			•	•				•			9 x 29 x 21	3	
2225D	Ink-jet Matrix	150cps				1kB			•	•				•			9 x 29 x 21	3	
7440A-001	Graphics Plotter			•	8			•					•				13 x 46 x 31	6	
7470A-002	Graphics Plotter			•	2			•					•				13 x 43 x 34	6	
7475A-001	Graphics Plotter			•	6			•					•				13 x 57 x 37	7	
7475A-002	Graphics Plotter			•	6			•					•				13 x 57 x 37	7	
7550	Graphics Plotter			•	8			•					•				22 x 67 x 43	17	
<b>Hitachi</b>																			
HG-730	Graphics Plotter			•	8			•	•				•	▼	•		14 x 56 x 22	7	
- GPIB-HG730	GPIB Interface for HG-730													•					
<b>Kyosha</b>																			
Kyoline BAT MTP641	Portable Thermal Printer					32kB			•	•				•			5 x 17 x 14	1	
<b>Seiko</b>																			
⑤ DPU414-30B	Thermal Printer	80cps max	90 x 90			28kB			•	•				•	•		7 x 16 x 17	<1	

- ▼ Available as an option.
- ① Datac 1009-0100: Battery Powered
- ② Datac 1255-713: Battery Powered
- ③ Hewlett-Packard DeskJet 350CBi: Includes Battery Pack and built-in 30-sheet paper feeder
- ④ Hewlett-Packard DeskJet 450CBi: Includes USB interface, Battery Pack and built-in 45-sheet paper feeder
- ⑤ Seiko DPU414-30B: Includes AC Adaptor and Battery Pack

# Data Acquisition & Recording

## Tape Recorders

Brand	Type	Channels	Input Range	FM Frequency Range	Tape Speed	Tape Format	RS232	Dimensions (cm) H x W x D	Weight (kg)
<b>Racal Recorders</b>									
① V-STORE 16	Instrumentation Recorder	16	0.1 to 20V	DC to 45.5kHz	15/32"/min to 30"/s	VHS	▼	29 x 45 x 23	16
① V-STORE 24	Instrumentation Recorder	24	0.1 to 20V	DC to 45.5kHz	15/32"/min to 30"/s	VHS	▼	29 x 45 x 23	17
② - VS-A04C	RS232 Card						•		<1

- ▼ Available as an option.
- ① Racal Recorders V-STORE: Voice channel as standard; Sequence and Shuttle modes
- ② Racal Recorders VS-A04C: For use with V-STORE for instrument control

## Data Loggers

Brand	Type	Channels	Input Range	Thermocouple Conditioning	PRT Conditioning Alarm Outputs	IEEE 488 RS232	Other Information See notes	Dimensions (cm) H x W x D	Weight (kg)
<b>Agilent Technologies</b>									
34970A	Data Acquisition / Switch Unit					• •	Requires input module(s), includes BenchLink software	10 x 26 x 38	4
- 34901A	Multiplexor Card	20	100mV to 300V	B, E, J, K, N, R, S, T	•		For use with 34970A		
- 34902A	High Speed Multiplexor Card	16	100mV to 300V	B, E, J, K, N, R, S, T	•		For use with 34970A		
① - 34907A	Multifunction Module	5					For use with 34970A		
- 34908A	40-Channel Single-Ended Multiplexer	40	100mV to 300V	B, E, J, K, N, R, S, T	•		For use with 34970A		
<b>Fluke</b>									
② 2635A	Hydra Data Bucket	21	300mV to 300V	B, C, E, J, K, N, R, S, T	• 12	•		9 x 22 x 31	3
- 2620A-100	Universal Input Module						For use with 2635A		
- 2620A-912	ScanScape32 Software						For use with 2635A		
- 2630A-807	4Mb Memory Card						For use with 2635A		

- ① Agilent 34907A: two 8-bit digital i/o, a 100kHz gated totaliser and two 12v analogue o/p ports
- ② Fluke 2635A: Measurements: AC, DC Volts, Resistance, Temp. & Frequency; Software: Hydra Starter Package (DOS version)



Con noi sarete sempre all'avanguardia!

Verificate... Personal Computers Pag 72

# DC & LF Test Equipment

## Digital Voltmeters/Multimeters

Agilent Technologies	DC Voltage Range		AC Voltage Range		DC Current Range		AC Current Range		Resistance Range		Basic Accuracy		AC Bandwidth		Resolution Digits			Other Information	Dimensions (cm)		Weight (kg)
	100mV to 1kV	100mV to 750V	10mA to 3A	1A to 3A	100Ω to 100MΩ	0.01%	3Hz to 300kHz	6 1/2	6 1/2	6 1/2	DCV	ACV	Ohms	IEEE 488	H x W x D						
34401A	100mV to 1kV	100mV to 750V	10mA to 3A	1A to 3A	100Ω to 100MΩ	0.01%	3Hz to 300kHz	6 1/2	6 1/2	6 1/2					10 x 26 x 37	4					
3458A-001-002	100mV to 1kV	10mV to 1kV	100μA to 1A	100μA to 1A	10Ω to 1GΩ	0.001%	10Hz to 100kHz	7 1/2	6 1/2	5 1/2					9 x 43 x 51	12					
3478A	30mV to 300V	300mV to 300V	300mA and 3A	300mA and 3A	30Ω to 30MΩ	0.002%	20Hz to 300kHz	5 1/2	5 1/2	5 1/2					10 x 22 x 36	3					
<b>Fluke</b>																					
PM2618-32	100μV to 1kV	100μV to 1kV	10μA to 10A	10μA to 10A	100mΩ to 100MΩ	0.07%	40Hz to 200kHz	4 1/2	4 1/2	4 1/2			Opt 32 20mAs to 20As ranges	19 x 6 x 17	1						
175	600mV to 1kV	600mV to 1kV	60mA to 10A	60mA to 10A	600Ω to 50MΩ			3 3/4	3 3/4	3 3/4				4 x 9 x 19	<1						
45	300mV to 1kV	300mV to 750V	30mA to 10A	10mA to 10A	300Ω to 100MΩ	0.05%	5Hz to 1MHz	5	5	5				22 x 9 x 29	3						
45-M2	300mV to 1kV	300mV to 750V	30mA to 10A	10mA to 10A	300Ω to 100MΩ	0.05%	5Hz to 1MHz	5	5	5				22 x 9 x 29	3						
75-II	320mV to 1kV	3.2 to 750V	32mA to 10A	32mA to 10A	320Ω to 32MΩ	0.0032		3 1/2	3 1/2	3 1/2				4 x 9 x 19	<1						
75-III	320mV to 1kV	3.2 to 750V	32mA to 10A	32mA to 10A	320Ω to 32MΩ	0.0032		3 1/2	3 1/2	3 1/2				4 x 9 x 19	<1						
79-III	40mV to 1kV	400mV to 1kV	4mA to 10A	4mA to 10A	400Ω to 40MΩ	0.003	1Hz to 20kHz	3 1/2	3 1/2	3 1/2				4 x 9 x 19	<1						
87-IV	400mV to 1kV	400mV to 1kV	400μA to 10A	400μA to 10A	400Ω to 30MΩ	0.10%	50Hz to 100kHz	4 1/2	4 1/2	4 1/2				20 x 10 x 5	1						
8840A	200mV to 1kV	200mV to 700V	2A	2A	200Ω to 20MΩ	0.005%	20Hz to 100kHz	5 1/2	5 1/2	5 1/2				9 x 22 x 37	3						

- 1 Fluke 7x: Battery operation, continuity and diode tests
- 2 Fluke 8x: Battery operation, continuity and diode tests

## Multimeter Accessories

Fluke	Type	Input Range	Division ratio	Other Information	Lead Length cm	Weight (kg)
	80E-10	High Voltage Divider	0 to 10kV DC		1,000:1 & 10,000:1	
80K-40	High Voltage Probe	1 to 40kV DC	1,000:1		120	
80TK	Thermocouple Module	-50 to 1000°C		K Type conditioning module; Thermocouple supplied		<1
<b>Keithley</b>						
1651	Current Shunt	0 to 50A			150	<1
<b>RS Components</b>						
262-7540	ITA11 Thermocouple Module			Converts any standard multimeter to temperature measurement		

## Analogue Voltmeters/Multimeters

Agilent Technologies	DC Voltage Range		AC Voltage Range		DC Current Range		AC Current Range		Resistance Range		Basic Accuracy		AC Bandwidth		Other Information	Dimensions (cm)		Weight (kg)	
	1mV to 300V		50μA to 10A	10mA to 10A	0 to 20MΩ	±1%	15Hz to 15kHz					H x W x D							
400E	1mV to 300V		50μA to 10A	10mA to 10A	0 to 20MΩ	±2.5%	10Hz to 10MHz							AC and DC outputs	16 x 13 x 30	3			
<b>AVO</b>																			
8Mk5	100mV to 3kV	3V to 3kV	50μA to 10A	10mA to 10A	0 to 20MΩ	±1%	15Hz to 15kHz										19 x 17 x 12	2	
<b>Time</b>																			
202	300nV to 300V					±0.25%								DC Microvolt Null Detector	16 x 22 x 19	4			

# DC & LF Test Equipment

## LCR Instruments

Agilent Technologies	Type	Resistance Range		Capacitance Range		Inductance Range		Frequency Range		Resolution Digits		Other Information	Dimensions (cm)		Weight (kg)
		1Ω to 1MΩ	100aF to 199mF	10pH to 1000H	5Hz to 13MHz	IEEE 488	See notes	H x W x D							
4192A	Impedance Analyzer	1Ω to 1MΩ	100aF to 199mF	10pH to 1000H	5Hz to 13MHz						Recorder output ±1V, 5 store memory	24 x 43 x 62	19		
4285A	LCR Meter	10μΩ to 100MΩ	10aF to 1F	1pH to 100H	75kHz to 30MHz						PCMCIA Memory card slot	18 x 43 x 50	16		
- 16047E	Test Fixture										For axial lead components				
<b>AOIP</b>															
OM16-M1	Microhmeter	5mΩ to 2500Ω									Battery Powered	27 x 25 x 18	4		
OM21-2	Microhmeter	2mΩ to 20kΩ									Battery Powered	9 x 23 x 30	3		
OM21-4	Microhmeter	2mΩ to 20kΩ									Battery Powered	9 x 23 x 30	3		
<b>Valhalla Scientific</b>															
4150ATC	Digital Ohmmeter	10mΩ to 1000Ω				DC				4 1/2	Includes 4 wire Kelvin clip set	8 x 32 x 17	5		
<b>Wayne Kerr</b>															
4210	LCR Bridge	0.1mΩ to 990MΩ	1fF to 990mF	1nH to 9900H	100Hz, 1kHz & 10kHz	4 1/2					Measures (D) and (Q) factor	15 x 27 x 40	4		
4225	LCR Bridge	1mΩ to 1MΩ	10fF to 990mF	10nH to 9900H	100Hz, 1kHz & 10kHz	4 1/2					Measures (D) and (Q) factor	15 x 27 x 40	4		
4250	LCR Bridge	0.1mΩ to 990MΩ	1fF to 990mF	1nH to 9900H	100Hz, 1kHz, 10kHz & 100kHz	4 1/2					Measures (D) and (Q) factor	15 x 27 x 40	4		
1042	Kelvin Clip Lead Set										For remote or in-situ testing		1		

- 1 Agilent Technologies 4192A: Performs a range of Amplitude-Phase and Impedance measurements at spot or swept frequencies
- 2 AOIP OM16-M1: Hard case, washable keyboard, battery and charger, qty 2x AMT 006 Kelvin lead set
- 3 AOIP OM21-2: battery and charger, AN5806 Kelvin lead set
- 4 AOIP OM21-4: IEEE 488-2 + battery and charger
- 5 Wayne Kerr 1042: Adapts the component test connections of 42xx to Kelvin Clips

## FFT & Dynamic Signal Analyzers

Agilent Technologies	Frequency Range		Resolution Bandwidth		Measurement Range		Tracking Generator		Other Information	Dimensions (cm)		Weight (kg)
	244μHz to 102.4kHz	3.99mV to 31.7V	3.99mV to 31.7V	IEEE 488	3.5" Disk Drive	See notes	H x W x D					
35665A-M2	244μHz to 102.4kHz	3.99mV to 31.7V	3.99mV to 31.7V								23 x 43 x 54	22
35670A-M3	122Hz to 102.4kHz	3.99mV to 31.7V	3.99mV to 31.7V						Includes Options: AY6, 1D2, UFC		19 x 34 x 47	15

- 1 Agilent Technologies 35670A-M3 Options: Opt AY6: Add 2 input channels; Opt 1D2: Swept sine measurements; Opt UFC: Add 8MB non volatile RAM

## Decade Boxes

Claude Lyons	Frequency Range		Ranges		Number of Decades		Maximum Rating		Dimensions (cm)		Weight (kg)
	Rotary Potentiometer Box	0 to 2.5kΩ	Rotary	100mA			10 x 10 x 14	1			
<b>Time</b>											
505N	Decade Current Source	1, 10, 100mA	4	10V DC			8 x 11 x 20	1			
1051	Decade Resistance Box	10mΩ to 1MΩ	8	1W/Resistor			9 x 44 x 34	<1			
8000	Decade Resistance Box	1Ω to 100MΩ	8	1W/Resistor			8 x 11 x 20	<1			

Verify...  
Spectrum  
Analysers  
Pag 14

# DC & LF Test Equipment

## Frequency & Time Standards

	Type	Frequency	Output Voltage	Output Impedance	Stability	Other Information	Dimensions (cm) H x W x D	Weight (kg)
<b>Quartzlock</b>								
2A-01	Off-Air Frequency Standard	1, 5, 10MHz	5Vpk	50Ω	1x10 <sup>-11</sup> /day	240V AC or 12V DC operation	4 x 23 x 28	2
A10-B	Rubidium Frequency Standard	10MHz, 2MHz	0.5 to 1Vrms	50Ω	1x10 <sup>-11</sup> /day		8 x 9 x 16	<1
A10-R	Rubidium Frequency Standard	10MHz	0.5 to 1Vrms	50Ω	5x10 <sup>-11</sup> /day	in 19" 2U rack mount		1
<b>Racal Instruments</b>								
9475-M1	Rubidium Frequency Standard	3x5MHz	1V RMS	50Ω	4x10 <sup>-11</sup> /mth	10MHz monitor o/p	13 x 22 x 29	5

## Counters & Counter Timers

	Channels	Max Digits	Frequency Range Channel A	Frequency Range Channel B	Frequency Range Channel C	Counter/Timer Period Range	Time Interval Range	Input Sensitivity	Timebase Accuracy	IEEE 488	Other Information See notes	Dimensions (cm) H x W x D	Weight (kg)
<b>Aeroflex (IFR)</b>													
① CPM-46	1	8	10MHz to 46GHz					-10dBm	3x10 <sup>-7</sup> /yr	●	Built in Power Meter	13 x 29 x 21	5
2440	3	8	10Hz to 100MHz	50 to 600MHz	0.6 to 20GHz			-15dBm	5x10 <sup>-10</sup> /day	●		11 x 34 x 26	6
2442	3	9	10Hz to 100MHz	50 to 600MHz	0.6 to 26.5GHz			-12dBm	5x10 <sup>-10</sup> /day	●		11 x 26 x 34	6
<b>Agilent Technologies</b>													
53131A	2	10	1Hz to 225MHz	1Hz to 225MHz		4.4ns to 10s	1ns to 10 <sup>5</sup> s	20mV	3x10 <sup>-7</sup> /mth	●		10 x 26 x 38	4
53131A-030	3	10	1Hz to 225MHz	1Hz to 225MHz	200MHz to 3GHz	4.4ns to 10s	1ns to 10 <sup>5</sup> s	20mV	3x10 <sup>-7</sup> /mth	●		10 x 26 x 38	4
53131A-050	3	10	1Hz to 225MHz	1Hz to 225MHz	200MHz to 5GHz	4.4ns to 10s	1ns to 10 <sup>5</sup> s	20mV	3x10 <sup>-7</sup> /mth	●		10 x 26 x 38	4
53131A-M4	3	10	1Hz to 225MHz	1Hz to 225MHz	200MHz to 3GHz	4.4ns to 10s	1ns to 10 <sup>5</sup> s	20mV	1.5x10 <sup>-9</sup> /mth	●		10 x 26 x 38	4
53132A-010	2	12	1Hz to 225MHz	1Hz to 225MHz		4.4ns to 10s	1ns to 10 <sup>5</sup> s	20mV	5x10 <sup>-10</sup> /mth	●		9 x 22 x 35	4
53150A-002	2	11	10Hz to 125MHz	50MHz to 20GHz				-33dBm	1x10 <sup>-7</sup> /mth	●	Input power measurement	10 x 26 x 38	4
② 53181A-012	1	10	DC to 225MHz					20mV	3x10 <sup>-9</sup> /mth	●		10 x 26 x 38	3
③ 53310A-010-030	3	10	10Hz to 200MHz	10Hz to 100MHz	50MHz to 2.5GHz	20ns to 1s	20ns to 1s	7dBm	5x10 <sup>-10</sup> /day	●		20 x 43 x 36	10
5340A	2	8	10Hz to 18GHz	10Hz to 250MHz				-25dBm	1x10 <sup>-7</sup> /mth	●		9 x 47 x 43	11
5342A	2	11	0.5Hz to 18GHz	10Hz to 520MHz				-25dBm	5x10 <sup>-10</sup> /day	●		13 x 21 x 50	9
5343A	2	11	0.5Hz to 26.5GHz	10Hz to 520MHz				-23dBm	1x10 <sup>-7</sup> /mth	●		13 x 21 x 50	9
5345A	2	11	DC to 500MHz	DC to 500MHz		2ns to 2x10 <sup>5</sup> s	10ms to 2000s	25mV	5x10 <sup>-10</sup> /day	●		13 x 43 x 50	17
<b>EIP Microwave</b>													
28B-08	3	12	10Hz to 100MHz	10MHz to 1GHz	10Hz to 26.5GHz			-20dBm	1x10 <sup>-7</sup> /mth	●		9 x 21 x 48	9
331-31-39	1	8	0.82 to 18GHz					-20dBm	3x10 <sup>-7</sup> /mth	●		9 x 43 x 50	12
<b>Racal Instruments</b>													
1992	3	9	DC to 100MHz	DC to 160MHz	40MHz to 1.3GHz	6.25ns to 1700s	2ns to 8x10 <sup>5</sup> s	10mV	2x10 <sup>-9</sup> /yr	●		11 x 25 x 36	7
1992-04A	3	9	DC to 100MHz	DC to 160MHz	40MHz to 1.3GHz	6.25ns to 1700s	2ns to 8x10 <sup>5</sup> s	10mV	3x10 <sup>-9</sup> /day	●		11 x 25 x 36	7
1992-04C	3	9	DC to 100MHz	DC to 160MHz	40MHz to 1.3GHz	6.25ns to 1700s	2ns to 8x10 <sup>5</sup> s	10mV	2x10 <sup>-9</sup> /yr	●		11 x 25 x 36	7
1999-04A-55	2	10	10Hz to 160MHz	80MHz to 2.6GHz		6.25ns to 1700s		50mV	3x10 <sup>-9</sup> /day	●		10 x 24 x 36	4
1999-04C	2	10	10Hz to 160MHz	80MHz to 2.6GHz		6.25ns to 1700s		50mV	2x10 <sup>-9</sup> /yr	●		10 x 24 x 36	4
2101-04C	3	13	10Hz to 100MHz	40MHz to 1.3GHz	0.5 to 20GHz			-32dBm	2x10 <sup>-9</sup> /yr	●	Opt 04C: Oven oscillator	10 x 21 x 42	6
2101-07-04B	3	13	10Hz to 100MHz	40MHz to 1.3GHz	0.5 to 20GHz			-32dBm	5x10 <sup>-10</sup> /day	●	Opt 04B: Oven oscillator	10 x 21 x 42	6
2101-04E-10-55-60	3	13	10Hz to 100MHz	40MHz to 1.3GHz	0.5 to 20GHz			-32dBm	5x10 <sup>-10</sup> /day	●	Opt 04E: Oven oscillator	10 x 21 x 42	6
9905-04A	2	8	DC to 10MHz	10Hz to 200MHz		100ns		15mV	1x10 <sup>-9</sup> /mth	●	Opt 04A: Oven oscillator	11 x 29 x 27	5
9906-04A	2	8	DC to 10MHz	10Hz to 200MHz		100ns	150ns	10mV	3x10 <sup>-9</sup> /day	●	Opt 04A: Oven oscillator	8 x 24 x 27	3

① Aeroflex CPM-46: Built-in Power Meter - requires a 6910, 20 or 30 series power sensor  
 ② Agilent Technologies 53181A-012 Option 012: Ultra High Stability Oven Timebase <1x10<sup>-10</sup>/day  
 ③ Agilent Technologies 53310A-010-030 Options: Opt 010: High Stability Oven Reference; Opt 030: Channel C

Verificate...  
RF Power  
Meters  
Pag 20

# DC & LF Test Equipment

## Function Generators

	Channels	Frequency Range Site	Frequency Range Other Functions	Sine	Square	Triangle	Pulse	Gaussian	Haversine	Sin (X)/X	Exponential	Arbitrary	Output Level (pp) See note ⑦	DC Offset	Sweep/Operating Modes	Modulation Modes	IEEE 488	RS232	Dimensions (cm) H x W x D	Weight (kg)
<b>Agilent Technologies</b>																				
33120A	1	100μHz to 15MHz	100μHz to 100kHz	●	●	●	●	●	●	●	●	●	50mV to 10V	±5V	Lin, Log, Burst	AM, FM, FSK	●	●	10 x 25 x 7	4
① 33120A-001	1	100μHz to 15MHz	100μHz to 100kHz	●	●	●	●	●	●	●	●	●	50mV to 10V	±5V	Lin, Log, Burst	AM, FM, FSK	●	●	10 x 25 x 7	4
② - 34811A																				
3325A	1	1μHz to 21MHz	1μHz to 11MHz	●	●	●	●	●	●	●	●	●	1mV to 10V	±5V	Lin, Log	AM, Phase	●	●	13 x 43 x 50	9
③ 3325A-001-002	1	1μHz to 21MHz	1μHz to 11MHz	●	●	●	●	●	●	●	●	●	1mV to 40V	±5V	Lin, Log	AM, Phase	●	●	13 x 43 x 50	9
3325B	1	1μHz to 21MHz	1μHz to 11MHz	●	●	●	●	●	●	●	●	●	1mV to 10V	±5V	Lin, Log, Discrete	AM, Phase	●	●	13 x 43 x 50	9
③ 3325B-001-002	1	1μHz to 21MHz	1μHz to 11MHz	●	●	●	●	●	●	●	●	●	1mV to 40V	±5V	Lin, Log, Discrete	AM, Phase	●	●	13 x 43 x 50	9
33250A	1	1μHz to 80MHz	1μHz to 25MHz	●	●	●	●	●	●	●	●	●	10mV to 10V	±5V	Lin, Log, Discrete	AM, FM, FSK	●	●	11 x 26 x 38	5
3326A-001	2	DC to 13MHz	DC to 13MHz	●	●	●	●	●	●	●	●	●	1mV to 5V	±5V	Lin, Discrete	AM, Phase	●	●	18 x 43 x 50	27
④ 651B	1	10Hz to 10MHz		●	●	●	●	●	●	●	●	●	0.1mV to 3.16V				●	●	13 x 43 x 29	8
8165A	1	1MHz to 50MHz	1mHz to 50MHz	●	●	●	●	●	●	●	●	●	10mV to 20V	±10V	Gate, Burst, Ext		●	●	43 x 13 x 42	12
⑤ 8904A-001-002	4	DC to 600kHz	DC to 50kHz	●	●	●	●	●	●	●	●	●	0 to 10V	±10V	Gate, Ext	AM, FM, PM	●	●	13 x 22 x 52	6
<b>Levell</b>																				
⑥ TG66A	1	0.2Hz to 1.22MHz		●	●	●	●	●	●	●	●	●	30μV to 5VRMS				●	●	18 x 26 x 18	5

① Agilent Technologies 33120A-001 Options: Opt 001: Phase lock/TXCO Timebase  
 ② Agilent Technologies 34811A: Arbitrary Function Generator software for use with 33120A; Requires Windows based PC  
 ③ Agilent Technologies 3325X-001-002 Options: Opt 001: High Stability Frequency Reference; Opt 002: High Voltage Output  
 ④ Agilent Technologies 651B: Output Level into 600Ω  
 ⑤ Agilent Technologies 8904A-001-002 Options: Opt 001: Adds two internal channels; Opt 002: Adds one internal channel and output; Opt 003 Adds fast hop and digital modulation  
 ⑥ Levell TG66A: Output Level into 600Ω; Mains or Battery Operated  
 ⑦ Into 50Ω unless stated

## Pulse Generators

	Channels	Pulse Repetition Frequency	Pulse Width Range	Pulse Delay Range	Rise and Fall Time	Output Level 50Ω	DC Offset Range	Pre & Neg O/P Sync O/P	Single Shot	Double Pulse	IEEE 488	Modes	Other Information	Dimensions (cm) H x W x D	Weight (kg)
<b>Agilent Technologies</b>															
8007A	1	10Hz to 100MHz	5ns to 50ms	30ns to 50ms	2ns to 250μs	0.2 to 5V	± 4V	●	●	●	●			13 x 43 x 35	8
8013A	1	1Hz to 50MHz	10ns to 1s	35ns to 1s	3.5ns fixed	0.4 to 10V	±2.5V	●	●	●	●			14 x 20 x 33	4
81110A-M1												●	Mainframe: requires 1 or 2 output modules	9 x 43 x 52	9
- 81111A	1	1mHz to 165MHz	3.03ns to 999s	0ns to 999s	2ns to 200ms	0 to 10V		●	●	●	●		For use with 81110A		
- 81112A	1	1mHz to 330MHz	1.515ns to 999s	0ns to 999s	0.8ns or 1.6ns	0 to 3.8V		●	●	●	●		For use with 81110A		
81130A-M1	2	170kHz to 660MHz	750ps to 5.15μs	0 to 3.00μs	500ps	0.10V to 2.50V		●	●	●	●		Includes: 2 x 81132A	9 x 43 x 52	9
81134A	2	15MHz to 3.35GHz	100ps to 66.5ns	-5ns to 230ns	60ps to 120ps	50mV to 2.00V		●	●	●	●		Includes GPIB, LAN and USB interfaces	15 x 43 x 55	15
8161A	1	1Hz to 100MHz	4ns to 990ms	0ns to 990ms	1.3ns to 0.9ms	0.06 to 5V	±5V	●	●	●	●			43 x 18 x 53	21



Risposta veloce!

# DC & LF Test Equipment

## DC Power Supplies

	Output Voltage 1	Output Current 1	Output Voltage 2	Output Current 2	Max Power per Output	Power Limit	Constant Voltage	Constant Current	IEEE 488	RS232	Other Information See notes	Dimensions (cm) H x W x D	Weight (kg)
<b>Advance Hivolt</b>													
AP60-50	0 to 60V	50A			1kW	❖	•	•			Twin 3-digit front panel meters; Bar-graph indicators	15 x 44 x 52	16
AP60-50-B	0 to 60V	50A			1kW	❖	•	•				15 x 44 x 52	16
AP60-150A	0 to 60V	150A			3kW	❖	•	•				18 x 44 x 68	23
AP100-30	0 to 100V	30A			1kW	❖	•	•				15 x 44 x 52	16
AP400-5	0 to 400V	5A			500W	❖	•	•			Dual digital metering of voltage and current	15 x 33 x 52	11
B30-20	0 to 30V	20A			600W	•	•	•				18 x 28 x 41	25
D100-1	0 to 100V	1A			100W	•	•	•			Separate digital voltage and current meters	7 x 22 x 31	8
FT15-1	12 to 15V	1A			15W	•	•	•				9 x 8 x 15	2
H60-25	0 to 60V	25A			1.5kW	•	•	•			Separate analog voltage and current meters	18 x 48 x 51	60
L30-5	0 to 30V	5A			150W	•	•	•			Separate analog voltage and current meters	23 x 25 x 31	12
PDD3502A	0 to 35V	0 to 2A	0 to 35V	0 to 2A	70W	•	•	•				17 x 22 x 35	8
<b>Agilent Technologies</b>													
E3615A	0 to 20V	0 to 3A			60W	•	•	•			Digital metering of voltage and current	9 x 21 x 25	4
E3620A	0 to 25V	0 to 1A	0 to 25V	0 to 1A	25W	•	•	•			Digital metering of voltage and current	9 x 21 x 40	6
① E3631A	0 to 25V	0 to 1A	0 to 25V	0 to 1A	80W	•	•	•	•		Digital metering of voltage and current	14 x 22 x 36	9
② E3632A	0 to 15V	0 to 7A	0 to 30V	0 to 4A	120W	•	•	•	•		Digital metering of voltage and current	14 x 22 x 36	9
③ E3634A	0 to 25V	0 to 7A	0 to 50V	0 to 4A	200W	•	•	•	•		Digital metering of voltage and current	14 x 22 x 36	9
④ E3642A	0 to 8V	5A	0 to 20V	2.5A	50W	•	•	•	•		Digital metering of voltage and current	11 x 26 x 38	6
6002A-001	0 to 50V	0 to 10A			200W	❖	•	•	•		Opt 001: HPIB interface	18 x 21 x 42	15
6015A	0 to 500V	5A			1.05kW	❖	•	•	•		Separate digital metering of voltage and current	13 x 43 x 52	16
6024A	0 to 60V	10A			240W	❖	•	•	•		Separate analog voltage and current meters	13 x 21 x 42	5
6032A	0 to 60V	50A			1.2kW	❖	•	•	•		Separate digital metering of voltage and current	18 x 21 x 44	16
6575A	0 to 120V	18A			2kW	•	•	•	•		Separate digital metering of voltage and current	13 x 43 x 64	28
6622A	0 to 50V	4A	0 to 50V	4A	100W	❖	•	•	•		Separate digital metering of voltage and current	13 x 43 x 50	18
⑤ 66311B	0 to 15V	3A			45W	•	•	•	•		Separate digital metering of voltage and current	9 x 22 x 45	9
6632A	0 to 20V	5A			100W	•	•	•	•		Separate digital metering of voltage and current	10 x 43 x 35	11
6633B	0 to 50V	2A			100W	•	•	•	•		Separate digital metering of voltage and current	10 x 43 x 35	11
⑥ 66332A	0 to 20V	5A			100W	•	•	•	•		Separate digital metering of voltage and current	9 x 43 x 37	13
6634A	0 to 100V	1A			100W	•	•	•	•		Separate digital metering of voltage and current	10 x 43 x 35	11
6634B	0 to 100V	1A			100W	•	•	•	•		Separate digital metering of voltage and current	10 x 43 x 35	11
6644A	0 to 60V	3.5A			200W	•	•	•	•		Separate digital metering of voltage and current	88 x 43 x 44	14
6654A	0 to 60V	9A			500W	•	•	•	•		Separate digital metering of voltage and current	13 x 43 x 50	25
6674A	0 to 60V	35A			2kW	•	•	•	•		Separate digital metering of voltage and current	13 x 43 x 64	28
<b>Powerbox</b>													
⑦ PB3100	0 to 40V	0 to 1.25A	0 to 20V	0 to 2.5A	50W	•	•	•	•		Maximum power output: 65 W. total	19 x 13 x 28	7
<b>Thurby Thandar</b>													
TSX1820P	0 to 18V	0 to 20A			350W	•	•	•	•			14 x 20 x 35	6

❖ Output current and voltage are limited by the power rating

① Agilent Technologies E3631A; triple-output  
 ② Agilent Technologies E3632A; single-output dual range  
 ③ Agilent Technologies E3634A; single-output dual range  
 ④ Agilent Technologies E3642A; single-output dual range  
 ⑤ Agilent Technologies 66311B : Tailored for Mobile Communications (digital phone) applications  
 ⑥ Agilent Technologies 66332A : Tailored for Mobile Communications (digital phone) applications  
 ⑦ Powerbox PB3100: Output 3: 0-7V, 0-4A

Verificate...  
Power  
Analysers  
Pag 64

# DC & LF Test Equipment

## AC Power Supplies & Inverters

	Phases	Input Voltage	Input Frequency	Output Frequency Range	Output Voltage	Output Current	Power Rating	IEEE 488	Other Information	Dimensions (cm) H x W x D	Weight (kg)
<b>Agilent Technologies</b>											
6812B	1	191 to 254V	24 to 63Hz	45Hz to 1kHz	0 to 300V	6.5A	750VA	•		13 x 43 x 61	28
<b>California Instruments</b>											
1251P	1	80 to 265V	47 to 63Hz	15Hz to 500Hz	0 to 270V	9.2A	1.25kVA			21 x 22 x 47	17
1251WP-PC3	1	85 to 265V	45 to 63Hz	50 or 60Hz	100, 115, 220, 230 and 240V	5.5A	1.25kVA		Power factor 0 to ±1	22 x 22 x 44	13
1501L-1M	1	115 or 230V	47 to 400Hz	45Hz to 5kHz	0 to 270V	6A	1.5kVA			13 x 48 x 58	36
1503L-3M	3	115 or 230V	47 to 440Hz	45 to 571Hz	0 to 270V	6A	1.5kVA			13 x 48 x 59	39
<b>Chroma</b>											
① 61604-M1	1	90-250V	45 to 63Hz	15Hz to 1kHz	150 and 300V	16A and 8A	2kVA	•	Power Factor: 0.98 min	13 x 48 x 59	21
<b>Kikusui</b>											
PCR1000L	1	115 or 230V	47 to 63Hz	1Hz to 1kHz	1 to 300V	5A	1kVA		DC Output 1 to 424V max 500VA	42 x 43 x 60	49
<b>Switch Mode</b>											
2710	1	12VDC	DC	50Hz	220V	1A	250W		Cigarette lighter adaptor	5 x 9 x 14	<1
3180	1	11 to 15VDC	DC	50Hz	230V	2A	450W		DC to AC inverter	7 x 25 x 11	2

① Chroma 61604-M : Options: A615001 (External V Reference, RS-232C Interface, GPIB Interface)

## AC Power Conditioners

	Type	Phases	Input Voltage	Input Frequency	Output Voltage	Output Current	Power Rating	Dimensions (cm) H x W x D	Weight (kg)
<b>Claude Lyons</b>									
LVC1700	Auto Transformer	1	204 to 276V	48 to 63Hz	240V	17A	4kVA	49 x 36 x 31	48
LVC500	Auto Transformer	1	204 to 276V	48 to 63Hz	240V	5A	1.2kVA	16 x 20 x 41	20
Regavolt 708	Variac	1	240V	47 to 65Hz	0 to 275V	8A	2kVA	19 x 14 x 23	10
Regavolt 715-E	Variac	1	240V	47 to 65Hz	0 to 275V	15A	3.5kVA	11 x 23 x 27	14
Variac 10A	Variac	1	240V	47 to 65Hz	0 to 264V	10A	2.5kVA	20 x 20 x 14	12
<b>RS Components</b>									
208-636	Stepdown Isolating Transformer	1	240V	50Hz	110V	2 x 16A	1.5kVA	26 x 19 x 19	14
209-106	Stepdown Isolating Transformer	1	240V	50Hz	110V	16A	0.5kVA	22 x 16 x 16	8

