61/2 Digital Multimeter

MODEL 12061

Key Features:

- 6½ digits resolution
- 11 types of measurement characteristics
 - DC voltage/current (1000V/3A max)
 - AC voltage/current (750V/3A max)
 - Resistance 2 or 4-wire ohms measurement
 - Period & frequency
 - Diode & continuity
 - Temperature
- (Thermocouple & RTD)

 Various math functions
 - NULL
 - Max/Min/Avg
 - High/Low limit
 - Percentage/Ratio/ MX+B
 - dB/dBm
- DC voltage accuracy : 0.0015%
- AC voltage accuracy: 0.04%
- Optional Multi-point TC Scanner Card (10ch), multi-point scanner card (10/20ch)
- Measurement and data transmission up to 2000 readings/sec (4½)
- Up to 2000 readings memory storage
- Standard SCPI control
- Standard USB interface, support USBTMC
- Optional GPIB interface
- Software control support
 - Chroma 12061 software
 - LabView® Driver



6½ DIGITAL MULTIMETER MODEL 12061

Solution for General Instrument Measurement

6½ Digital Multimeter is the most frequent used measurement instrument in Electronic industry. Chroma 12061 provides a combination of speed, accuracy and high performance measurement functions that can be used either solely or with system to meet your requirements swiftly.

Chroma 12061 offers the resolution and specification of the same class in the industry plus enhanced speed and accuracy it turns into the best solution for various kind of basic measurements. A brand new design was made for the operating interface of Chroma 12061. The commonly used functions can be selected with a single button pressed that increases the panel accessibility greatly.

Fast & High Performance

The 12061 6½ Digital Multimeter has assorted settings of resolution, integration time and ranges that allows users to optimize the configuration of measurement speed, resolution and accuracy when in individual measurement test mode.

The 12061 has built-in a high speed, low interference A/D converter with a maximum speed of 2000 rdgs/s, it is the best solution for high speed measurement.

Individual Application

Chroma 12061 is equipped with 11 types of measurement functions which contains DC voltage/current, AC voltage/current, resistance 2/4-wire ohms, period, frequency, diode, continuity and temperature as well as diverse math functions of NULL, Max/Min/Avg, High/Low limit, High/Low limit, Percentage/Ratio/MX+B, dB/dBm, etc. Along with trigger and memory functions, Chroma 12061 is the right tool for you to perform the basic measurement.

Test System Application

For user's convenience, Chroma supports various softwares for different control platforms.









BUILT-IN USB (USBTMC SUPPORTED)

Different from the traditional interface, Chroma 12061 uses USB as its standard feature that not only improves the transmission speed but also makes the connection more easier with the plug and play functions.

The USB interface fully supports USBTMC (USB Test & Measurement Class). As long as the instrument is equipped with USB interface that supports USBTMC, it can communicate with PC in real time via VISA driver without the restrictions of platform and environment. USBTMC is a communication protocol built on top of the USB and uses GPIB-like methodology to communicate with USB. Therefore, from user's point of view by using USB should be as simple as using GPIB.

PASS/FAIL SIGNAL OUTPUT

Chroma 12061 can provide PASS/FAIL signal to system by USB port (either communication or PASS/FAIL signal) with high/low limit set. USB type B female connect to system with signal (1 floating/ 2 PSS/ 3 FAIL/ 4 GND) in 2ms low and please disable USB interface. If result over the high/low limit, the beeper will alarm and signal output. (Beeper can be off)



TEMPERATURE MEASUREMENT

Chroma 12061 has temperature measurement function that supports 7 kinds of Thermocouples:E, J, K, N, R, S, and T type. It also supports RTDs 4-wire measurement. The built-in ITS-90, IEC751 and Callendar-Van Dusen temperature conversion can satisfy the diverse measurement requirements of yours.

MULTI-POINT SCANNER CARD

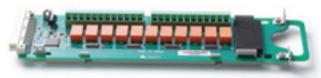
Multi-Point Scanner Card (10ch/20ch)

Chroma $6\frac{1}{2}$ Digital Multimeter supports Multi-point Scanner Card which is a scanning measurement tool not supported by most of the $6\frac{1}{2}$ Digital Multimeters in the field. Multi-point Scanner Card offers multiplexing ten two poles (ACV, ACI, DCV, DCI, Resistance, Period, Frequency) that can be installed on the extension card option directly of the rear panel.

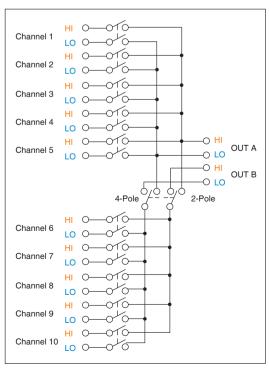
Multi-Point TC Scanner Card (10ch)

The multi-point temperature scanning card has multiple functions including 2-wire/4-wire resistance, AC/DC voltage/current, frequency, period and temperature measurements. As cold junction compensation is equipped for temperature measurement, it increases the measurement accuracy greatly. In addition, it can scan the temperature of 10 different channels that can be applied extensively to electronic devices and industrial studies for temperature measurement

Multi-point TC Scanner Card A120004			
Maximum	110V rms or 155V peak, 100kHz,		
AC Voltage	1A switched, 30VA (resistive load)		
Maximum DC Voltage	110V, 1A switched, 30VA (resistive load)		
Connector Type	Screw terminal, #22 AWG wire size		
Common Mode Voltage	200V peak btw any terminal and earth		
Max. Voltage btw Any Two Terminals	160V peak		
Thermocouple	K type (-200°C \sim 1372°) \pm 1.5°C (Other type refer to the detailed specifications)		



A120000 Multi-point Scanner Card



A120000 Scanner Card Configuration



OPERATION SPEED (INDIVIDUAL)

	6½ SLOW	5.9 reading/s
	6½ FAST	59 reading/s
DCV \ DCI	5½ SLOW	59 reading/s
and Resistance	5½ FAST	545 reading/s
	4½ SLOW	545 reading/s
	4½ FAST	2000 reading/s

	6½ SLOW	0.15 reading/s (3Hz)
ACV \ ACI	6½ MEDIUM	1 reading/s (3Hz)
	6½ FAST	10 reading/s (200Hz)
	6½	1 reading/s
Frequency or Period	5½	9.8 reading/s
	4½	80 reading/s
Diode / Continuity	Response time	300 reading/s

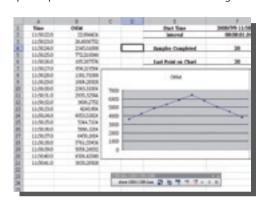
SOFTPANEL

Chroma 12061 TOOL and Chroma 12061 LINK are two free softpanels provide with data collection and drawing for analysis.



CHROMA 12061 TOOL

- Real-time display interface for value monitoring
- Data log and output in CSV format for analysis



CHROMA 12061 LINK

- Softpanel toolbar open with EXCEL or WORD
- Real-time data transferring to computer directly and save it to EXCEL or WORD format
- Create data patterns in EXCEL format automatically
- Test engineers can use ActiveX components to control the 12061 using SCPI commands

PANEL DESCRIPTION



2 9 13 14 10 11

- Easy-to-read display with 5X7 matrix triple colored double-line screen that can identify the meaning of data and symbol easily
- 2. Easy-to-switch function keys
- 3. 2 or 4-wire ohms measurement
- 4. Built-in frequency, diode, continuity and temperature measurement capability
- 5. Fast TRIGGER control
- 6. Data storage memory
- 7. Math calculation
- 8. Fast range changes
- 9. Optional Scanner Card
- 10. USB Interface supports USBTMC
- 11. GPIB Interface

- 12. 7A/250V Fuse
- 13. Measurement completed signal output terminal for automatic operation
- 14. External triggered input terminal for automatic operation

ORDERING INFORMATION

12061:61/2 Digital Multimeter

12061: 6½ Digital Multimeter with GPIB **A120000**: Multi-point Scanner Card (10ch) **A120001**: Thermal-measurement Adapter

A120002: Multi-point Scanner Card (20ch)

A120003 : HV Probe (1000:1)

A120004: Multi-point TC Scanner Card (10ch)



SPECIFICATIONS

DC Voltage			
			1 year accuracy
Range	Resolution	Input Resistance	\pm (reading%+range%) (23°C \pm 5°C)
100.000mV	0.1 μ V		0.0050 + 0.0035
1.000000V	1.0 μV	>10GΩ	0.0040 + 0.0007
10.00000V	10 μV		0.0035 + 0.0005
100.0000V	100 μV		0.0045 + 0.0006
1000.000V	1mV	10MΩ	0.0045 + 0.0010
DC Current	TITIV		0.0015 1 0.0010
DC Current			1 year accuracy
Range	Resolution	Shunt Resistance	\pm (reading%+range%) (23°C \pm 5°C)
10.00000mA	10nA	5.10.	0.050 + 0.020
100.0000mA	100nA	2.177	0.050 + 0.005
1.000000A	1μΑ		0.100 + 0.010
3.00000A	10 μ A	0.1Ω	0.120 + 0.020
AC RMS Voltage			
AC IIIIS Voltage			1 year accuracy
Range	Resolution	Frequency (Hz)	\pm (reading%+range%) (23°C \pm 5°C)
		3 ~ 5	1.00 + 0.04
		5 ~ 10	0.35 + 0.04
		10 ~ 20K	0.06 + 0.04
100.0000mV	0.1 μ V	20K ~ 50K	0.12 + 0.05
		50K ~ 100K	0.60 + 0.08
		100K ~ 300K	4.00 + 0.50
		3 ~ 5	1.00 + 0.03
		5 ~ 10	
1 0000001			0.35 + 0.03
1.000000V ~	1.0 <i>μ</i> V ~ 1mV	10 ~ 20K	0.06 + 0.03
750.000V		20K ~ 50K	0.12 + 0.05
		50K ~ 100K	0.60 + 0.08
		100K ~ 300K	4.00 + 0.50
AC RMS Current			
Range	Resolution	Frequency (Hz)	1 year accuracy \pm (reading%+range%) (23°C \pm 5°C)
		3 ~ 5	1.00 + 0.04
1.000000A	1 μ Α	5 ~ 10	0.30 + 0.04
		10 ~ 5K	0.10 + 0.04
		3 ~ 5	1.10 + 0.06
3.000000A	1.0 μ A	5 ~ 10	0.35 + 0.06
	'	10 ~ 5K	0.15 + 0.06
Resistance (4W M	leasurement)		
Range	Resolution	Test Current	1 year accuracy ± (reading%+range%)
			(23°C ± 5°C)
100Ω	100 μ Ω	1mA	0.010 + 0.004
1.000000kΩ	1mΩ	1mA	0.010 + 0.001
10.00000kΩ	10m Ω	100 μ A	0.010 + 0.001
100.0000kΩ	100mΩ	10 μ A	0.010 + 0.001
1.000000M Ω	1Ω	5 μ A	0.010 + 0.001
10.00000MΩ	10Ω	500nA	0.040 + 0.001
100.0000MΩ	100Ω	500nA	0.800 + 0.010
Diode Test	10052	JOUTH	0.000 1 0.010
Diode lest			1 year accuracy
Range	Resolution	Test Current	1 year accuracy \pm (reading%+range%) (23°C \pm 5°C)
1.00000V	10 μ V	1mA	0.010 + 0.020

Range Resolution Resistance 1 year accuracy ± (reading%+range%) (23°C±5°C)	Continuity Test				
Range Resolution South Existance Exeracing Exercise Care	Continuity lest			1 year accuracy	
Range	Range	Resolution		± (reading%+range%)	
Range	1000.00Ω	100m $Ω$	1mA	0.010 + 0.030	
Range	Frequency and Pe	eriod			
100mV ~ 750V			ncy (Hz)	\pm (reading%+range%)	
100mV ~ 750V 10 ~ 40 0.03 40 ~ 300K 0.01		3 ~ 5		0.1	
Measurement Characteristics	100m\/ ~ 750\/	5 ~	· 10	0.05	
Measurement Characteristics NULL, min / max / average, dBm, dB, MX+B, RATIO, %, limit test (with TTL output) Measurement Noise Rejection 60Hz(S0Hz) DC CMRR : 140 dB AC CMRR : 70 dB 60Hz(S0Hz) 10 plc / 167 ms (200 ms) : 60 dB Pic / 16.7 ms (20 ms) : 60 dB 8 Normal Mode Rejection NMRR 10 plc / 16.7 ms (20 ms) : 60 dB DC Voltage Input bias current : 25°C < 30pA Input protection : 1000V	1001117 - 7507	10 -	~ 40	0.03	
Math Functions NULL, min / max / average, dBm, dB, MX+B, RATIO, %, limit test (with TTL output) Measurement Noise Rejection 60Hz(50Hz) DC CMRR : 140 dB AC CMRR : 70 dB Integration Time & Normal Mode Rejection NMRR 10 plc / 167 ms (200 ms) : 60 dB Bejection NMRR 10 plc / 167 ms (200 ms) : 60 dB DC Voltage Input bias current : 25°C < 30pA Input protection : 1000V		40 ~	300K	0.01	
Math Functions RATIO, %, limit test (with TTL output) Measurement Noise Rejection 60Hz(50Hz) DC CMRR : 140 dB AC CMRR : 70 dB Integration Time & Normal Mode Rejection NMRR 10 plc / 167 ms (200 ms) : 60 dB DC Voltage Input bias current : 25°C < 30pA Input protection : 1000V	Measurement Cha	aracteristics			
Measurement Noise Rejection 60Hz(50Hz) Integration Time & Normal Mode Rejection NMRR DC Voltage Input bias current: 25°C < 30pA Input protection: External 3 A 250V fuse Input impedance: 1 MΩ parallel with 100 pF Input protection: External 3 A 250V fuse AC Voltage Input impedance: 1 MΩ parallel with 100 pF Input protection: External 3 A 250V fuse Maximum lead resistance (4-wire): 10% of range per lead for 100Ω and 1kΩ ranges. 1kΩ per lead on all other ranges. Input protection: 1000 V all ranges With audible tone Continuity/Diode Continuity/Diode External Control Samples/Trigger Temperature External Control Samples/Trigger Trigger Delay Memory 2000 readings Equivalent SCPI (IEEE-488.2) \ Agilent 34401 Interface General Power Consumption Power Requirements Dimensions (HxWxD) O'C to 50°C Weight ADOV All Range BC Cot dB AC CMRR: 140 dB AC CMRR: 25°C < 30pA Input protection: 1000V Flager Delay Ac 250V fuse Input protection: 1000V All protection: 25°C < 30pA Input	Math Functions	NULL, m	nin / max / average	e, dBm, dB, MX+B,	
Noise Rejection 60Hz(50Hz) Integration Time & Normal Mode Rejection NMRR DC Voltage Input bias current: 25°C < 30pA Input protection: 1000V DC Current Input impedance: 1 MΩ parallel with 100 pF Input protection: External 3 A 250V fuse Input protection: External 3 A 250V fuse AC Current Input protection: External 3 A 250V fuse Maximum lead resistance (4-wire): 10% of range per lead for 100Ω and 1kΩ ranges. 1kΩ per lead on all other ranges. Input protection: 1000 V all ranges With audible tone Continuity/Diode Continuity threshold: Selectable from1Ω to 1000Ω Thermocouple: E, J, K, N, R, S and T type sensors supported. RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion: ITS-90, IEC751, Callendar-Van Dusen External Control Samples/Trigger 1 ~ 50,000 Trigger Delay 0 ~ 3600 sec. Memory 2000 readings Equivalent Interface USB (standard) • GPIB (option) General Power Consumption Power Requirements Dimensions (HxWxD) 0 °C to 50°C Weight Approx. 4.36 kgs	Math Functions	RATI	O, %, limit test (wi	th TTL output)	
8 Normal Mode Rejection NMRR DC Voltage Input bias current: 25°C < 30pA Input protection: 1000V DC Current Input impedance: 1 MΩ parallel with 100 pF Input protection: External 3 A 250V fuse AC Voltage Input impedance: 1 MΩ parallel with 100 pF Input protection: 750Vrms all ranges AC Current Input protection: External 3 A 250V fuse Maximum lead resistance (4-wire): 10% of range per lead for 100Ω and 1kΩ ranges. 1kΩ per lead on all other ranges. Input protection: 1000 V all ranges With audible tone Continuity/Diode Continuity threshold: Selectable from1Ω to 1000Ω Thermocouple: E, J, K, N, R, S and T type sensors supported. RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion: ITS-90, IEC751, Callendar-Van Dusen External Control Samples/Trigger 1 ~ 50,000 Trigger Delay 0 ~ 3600 sec. Memory 2000 readings Equivalent SCPI (IEEE-488.2) \ Agilent 34401 Interface USB (standard) \ GPIB (option) General Power Consumption Power Consumption 100 V / 120 V / 220 V / 240 V \ 45 Hz ~ 440 Hz Dimensions (HxWxD) Operating Temperature Weight Approx. 4.36 kgs	Noise Rejection		DC CMRR : 140 dB		
Input protection: 1000V	& Normal Mode				
DC CurrentInput protection: External 3 A 250V fuseAC VoltageInput impedance: 1 MΩ parallel with 100 pF Input protection: 750Vrms all rangesAC CurrentInput protection: External 3 A 250V fuseResistanceMaximum lead resistance (4-wire): 10% of range per lead for 100Ω and 1kΩ ranges. 1kΩ per lead on all other ranges. Input protection: 1000 V all rangesContinuity/DiodeWith audible tone Continuity threshold: Selectable from1Ω to 1000ΩThermocouple: E, J, K, N, R, S and T type sensors supported. RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion: ITS-90, IEC751, Callendar-Van DusenExternal Control1 ~ 50,000Samples/Trigger1 ~ 50,000Trigger Delay0 ~ 3600 sec.Memory2000 readingsEquivalentSCPI (IEEE-488.2) \ Agilent 34401InterfaceUSB (standard) \ GPIB (option)GeneralVSB (standard) \ GPIB (option)Power Consumption25VA max.Power Requirements100 V / 120 V / 220 V / 240 V \ 45 Hz ~ 440 HzDimensions (HxWxD)88.6 x 213.6 x 346.9 mmOperating Temperature0 °C to 50 °CWeightApprox. 4.36 kgs	DC Voltage				
AC VoltageInput impedance: 1 MΩ parallel with 100 pF Input protection: 750Vrms all rangesAC CurrentInput protection: External 3 A 250V fuseResistanceMaximum lead resistance (4-wire): 10% of range per lead for 100Ω and 1kΩ ranges. 1kΩ per lead on all other ranges. Input protection: 1000 V all rangesContinuity/DiodeWith audible tone Continuity threshold: Selectable from1Ω to 1000ΩThermocouple: E, J, K, N, R, S and T type sensors supported.RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion: ITS-90, IEC751, Callendar-Van DusenExternal Control3600 sec.Samples/Trigger1 ~ 50,000Trigger Delay0 ~ 3600 sec.Memory2000 readingsEquivalentSCPI (IEEE-488.2) \ Agilent 34401InterfaceUSB (standard) \ GPIB (option)GeneralPower Consumption25VA max.Power Requirements100 V / 120 V / 220 V / 240 V \ 45 Hz ~ 440 HzDimensions (HxWxD)88.6 x 213.6 x 346.9 mmOperating Temperature0°C to 50°CWeightApprox. 4.36 kgs	DC Current	Input	<u> </u>		
Input protection: 750Vrms all ranges AC Current Input protection: External 3 A 250V fuse Maximum lead resistance (4-wire): 10% of range per lead for 100Ω and 1kΩ ranges. 1kΩ per lead on all other ranges. Input protection: 1000 V all ranges With audible tone Continuity/Diode Continuity threshold: Selectable from1Ω to 1000Ω Thermocouple: E, J, K, N, R, S and T type sensors supported. RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion: ITS-90, IEC751, Callendar-Van Dusen External Control Samples/Trigger 1 ~ 50,000 Trigger Delay 0 ~ 3600 sec. Memory 2000 readings Equivalent Interface USB (standard) • GPIB (option) General Power Consumption Power Requirements Dimensions (HxWxD) Operating Temperature Weight Approx. 4.36 kgs					
AC CurrentInput protection: External 3 A 250V fuseResistanceMaximum lead resistance (4-wire): 10% of range per lead for 100Ω and 1kΩ ranges. 1kΩ per lead on all other ranges. Input protection: 1000 V all rangesContinuity/DiodeWith audible tone Continuity threshold: Selectable from 1Ω to 1000Ω Thermocouple: E, J, K, N, R, S and T type sensors supported. RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion: ITS-90, IEC751, Callendar-Van DusenExternal Control Samples/Trigger1 ~ 50,000 Trigger DelayMemory2000 readingsEquivalentSCPI (IEEE-488.2) \ Agilent 34401 InterfaceUSB (standard) \ GPIB (option)General Power Consumption25VA max.Power Requirements100 V / 120 V / 220 V / 240 V \ 45 Hz ~ 440 HzDimensions (HxWxD)88.6 x 213.6 x 346.9 mmOperating Temperature0°C to 50°CWeightApprox. 4.36 kgs	AC Voltage				
ResistanceMaximum lead resistance (4-wire): 10% of range per lead for 100Ω and 1kΩ ranges. 1kΩ per lead on all other ranges. Input protection: 1000 V all rangesContinuity/DiodeWith audible tone Continuity threshold: Selectable from 1Ω to 1000Ω Thermocouple: E, J, K, N, R, S and T type sensors supported. RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion: ITS-90, IEC751, Callendar-Van DusenExternal Control Samples/Trigger1 ~ 50,000 Trigger DelayMemory2000 readingsEquivalent InterfaceSCPI (IEEE-488.2) \ Agilent 34401 InterfaceUSB (standard) \ GPIB (option)General Power Consumption25VA max.Power Requirements100 V / 120 V / 220 V / 240 V \ 45 Hz ~ 440 HzDimensions (HxWxD)88.6 x 213.6 x 346.9 mmOperating Temperature0°C to 50°CWeightApprox. 4.36 kgs	AC Current				
With audible tone Continuity/DiodeContinuity threshold: Selectable from 1Ω to 1000ΩThermocouple: E, J, K, N, R, S and T type sensors supported.RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion: ITS-90, IEC751, Callendar-Van DusenExternal ControlSamples/Trigger1 ~ 50,000Trigger Delay0 ~ 3600 sec.Memory2000 readingsEquivalentSCPI (IEEE-488.2) ~ Agilent 34401InterfaceUSB (standard) , GPIB (option)GeneralPowerConsumption25VA max.Dimensions (HxWxD)0 V / 120 V / 220 V / 240 V , 45 Hz ~ 440 HzBimensions (HxWxD)0 Operating Temperature0 °C to 50 °CWeight	Resistance	Maximum lead resistance (4-wire): 10% of range per lead for 100 Ω and 1k Ω ranges. 1k Ω per lead on all other ranges.			
E, J, K, N, R, S and T type sensors supported. RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion: ITS-90, IEC751, Callendar-Van Dusen External Control Samples/Trigger 1 ~ 50,000 Trigger Delay 0 ~ 3600 sec. Memory 2000 readings Equivalent Interface USB (standard) , GPIB (option) General Power Consumption Power Requirements Dimensions (HxWxD) Operating Temperature Weight E, J, K, N, R, S and T type sensors supported. RTD: 2-wire, 3-wire and 4-wire measurement Temperature Asymire Asymire and 4-wire measurement Temperature Asymire Asymire and 4-wire measurement Temperature Asymire Asymire Asymire Asymire Asymire Asymire Asymire Asymire Asymi	Continuity/Diode	With audible tone			
Samples/Trigger 1 ~ 50,000 Trigger Delay 0 ~ 3600 sec. Memory 2000 readings Equivalent SCPI (IEEE-488.2) \ Agilent 34401 Interface USB (standard) GPIB (option) General Power 25VA max. Power Requirements 100 V / 120 V / 220 V / 240 V 45 Hz ~ 440 Hz Dimensions (HxWxD) 88.6 x 213.6 x 346.9 mm Operating Temperature 0 0°C to 50°C Weight Approx. 4.36 kgs	Temperature	Thermocouple: E, J, K, N, R, S and T type sensors supported. RTD: 2-wire, 3-wire and 4-wire measurement Temperature Conversion:			
Trigger Delay 0 ~ 3600 sec. Memory 2000 readings Equivalent SCPI (IEEE-488.2) \ Agilent 34401 Interface USB (standard) GPIB (option) General Power Consumption Power Requirements Dimensions (HxWxD) Operating Temperature Weight 0 ~ 3600 sec. 0 ~ 3600 sec. 100 V / 120 V / 240 V \ Agilent 34401 100 V / 120 V / 220 V / 240 V \ 45 Hz ~ 440 Hz 0 °C to 50 °C	External Control				
Memory 2000 readings Equivalent SCPI (IEEE-488.2) \ Agilent 34401 Interface USB (standard) GPIB (option) General Power Consumption Power Requirements Dimensions (HxWxD) Operating Temperature Weight SCPI (IEEE-488.2) \ Agilent 34401 USB (standard) GPIB (option) 400 V / 120 V / 220 V / 240 V 45 Hz 440 Hz 88.6 x 213.6 x 346.9 mm	Samples/Trigger		1 ~ 50,000		
Equivalent SCPI (IEEE-488.2) \ Agilent 34401 Interface USB (standard) GPIB (option) General Power Consumption Power Requirements Dimensions (HxWxD) Operating Temperature Equivalent SCPI (IEEE-488.2) \ Agilent 34401 USB (standard) GPIB (option) 25VA max. 100 V / 120 V / 220 V / 240 V 45 Hz ~ 440 Hz 88.6 x 213.6 x 346.9 mm 0°C to 50°C	Trigger Delay		·		
Interface USB (standard) , GPIB (option) General Power Consumption 25VA max. Power Requirements 100 V / 120 V / 220 V / 240 V , 45 Hz ~ 440 Hz Dimensions (HxWxD) 88.6 x 213.6 x 346.9 mm Operating Temperature 0°C to 50°C Weight Approx. 4.36 kgs	Memory		2000 readings		
Interface USB (standard) , GPIB (option) General Power Consumption 25VA max. Power Requirements 100 V / 120 V / 220 V / 240 V , 45 Hz ~ 440 Hz Dimensions (HxWxD) 88.6 x 213.6 x 346.9 mm Operating Temperature 0°C to 50°C Weight Approx. 4.36 kgs	Equivalent	SC	PI (IEEE-488.2) \ A	gilent 34401	
GeneralPower Consumption25VA max.Power Requirements100 V / 120 V / 220 V / 240 V , 45 Hz ~ 440 HzDimensions (HxWxD)88.6 x 213.6 x 346.9 mmOperating Temperature0°C to 50°CWeightApprox. 4.36 kgs	Interface				
Power Consumption Power Requirements Dimensions (HxWxD) Operating Temperature Power Requirements 100 V / 120 V / 220 V / 240 V , 45 Hz ~ 440 Hz 88.6 x 213.6 x 346.9 mm O°C to 50°C Approx. 4.36 kgs					
Consumption Power Requirements Dimensions (HxWxD) Operating Temperature Weight 25VA max. 25VA max. 25VA max. 25VA max. 25VA max. 25VA max. 26V 210 V / 240 V · 45 Hz ~ 440 Hz 88.6 x 213.6 x 346.9 mm 0°C to 50°C			e = 1 1 1		
Power Requirements $100\text{V}/120\text{V}/220\text{V}/240\text{V},45\text{Hz}\sim440\text{Hz}$ Dimensions $(\text{HxWxD}) \\ \text{Operating} \\ \text{Temperature} \\ \text{Weight} \\ \text{O}^{\circ}\text{C to }50^{\circ}\text{C}$			25VA max	ζ.	
Requirements 100 V / 120 V / 220 V / 240 V , 45 Hz ~ 440 Hz Dimensions (HxWxD) 88.6 x 213.6 x 346.9 mm Operating Temperature 0°C to 50°C Weight Approx. 4.36 kgs			, , ,		
Dimensions (HxWxD) Operating Temperature Weight 88.6 x 213.6 x 346.9 mm 0°C to 50°C Approx. 4.36 kgs		100 V / 12	20 V / 220 V / 240	V,45 Hz~440 Hz	
Operating Temperature Weight O°C to 50°C Approx. 4.36 kgs	Dimensions	88.6 x 213.6 x 346.9 mm			
Weight Approx. 4.36 kgs	Operating	0°C to 50°C			
3 11 3		Approx. 4.36 kgs			
	3 11 3				





Septiembre, 31

28022 Madrid

Tel. 913000191

www.idm-instrumentos.es

Fax. 913885433

idm@idm-instrumentos.es