



HIGH PERFORMANCE CALIBRATION

A precision multi-product calibrator designed to rapidly calibrate a wide range of test & measurement instruments. With over 11 standard functions the 5025C can accurately test and verify both traditional and new test equipment. It is ideal for companies requiring a calibrator that delivers high performance over wide conditions, with excellent capabilities, functionality, and features for ease of use.

The 5025C is fitted with AC/DC voltage to 1050V, AC/DC current to 22A, digital frequency to 10MHz, decade resistance to 1G Ω , simulated variable resistance from 10 Ω to 40k Ω , conductance, capacitance, thermocouple and PT100 simulation.

An optional enhanced performance pack enables advanced calibration for up to 6.5 digit multimeters. It provides full range variable resistance to $120M\Omega$, extended temperature functions, extended capacitance, inductance, additional precision high DCV ranges and increased ACV frequency bandwidth. Also available are oscilloscope and power calibration options.

External adaptors are available for clamp meter calibration (up to 1100A) and optical tachometer calibration. Also available is a power amplifier which increases the 5025C's AC/DC voltage output drive capabilities to 100mA. This addition allows even the most demanding analogue instruments to be tested.

WIDE WORKLOAD COVERAGE

The 5025C can calibrate various instruments and devices; bench and handheld multimeters, frequency meters, ohm meters, AC/DC millivoltmeters, thermocouple and PT100 meters, clamp meters, and many other measurement devices. By adding internal options the 5025C can calibrate oscilloscopes, timer/counters, power meters and more.

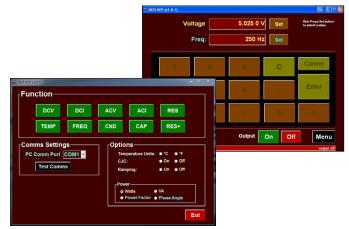
SIMPLE OPERATION

Functions and ranges are easily accessed from the front panel. Increase and decrease keys per digit, are used to quickly set the output value. Deviation control then enables the user to finely adjust the output value as a percentage (+/- 9.999%). All this information is shown on a clear, easy to read LED display.

- 0 to 1050V AC/DC voltage
- o to 22A AC/DC current
- 1 Ω to 1G Ω resistance
- Thermocouple and PT100 simulation
- Digital frequency
- Capacitance
- Optional scope and power calibration
- Optional clamp meter calibration
- RS-232/USB/GPIB interfaces
- PC Virtual Control Software included
- · Supplied with test lead set

VIRTUAL CONTROL SOFTWARE

The 5025C is supplied as standard with Time Electronics' windows based Virtual Control Software. It allows quick and direct input of any value required. The remote SCPI command is displayed to help users develop custom applications.



EASYCAL SOFTWARE

Connect the 5025C to a PC/Laptop (via RS-232, USB or GPIB) installed with Time Electronics' EasyCal software and automate the calibration process. This provides increased speed of calibration and consistency of results.

Produce calibration certificates and reports to ISO 9001, ISO 17025, and other international quality standards.

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www.timeelectronics.com

5025C Specifications

echnical Specifications Function	Range / Values	Best 1 year Specification		
Voltage DC	0 to ± 1050V	± 15ppm of setting		
Current DC	0 to ± 22A 1100A with clamp meter adaptor (option 9780)	± 60ppm of setting		
Voltage AC	1mV to 1050V (20Hz to 100kHz sine-wave)	± 200ppm of setting		
Current AC	10μA to 22A (20Hz to 5kHz sine-wave) 100A with current transformer (option 9790) 1100A with clamp meter adaptor (option 9780)	\pm 0.05% of setting		
Thermocouple Simulation	-210 to 1820°C. Type J, K, R, T, S, B, E, N	± 0.05°C		
Digital Frequency/Period	0.1Hz to 10MHz / 100ns to 10s	± 20ppm of setting		
Conductance	1s to 1ns (decade values)	± 20ppm of setting		
Decade Resistance	1Ω to 1GΩ (decade values)	± 20ppm of setting		
Simulated Resistance	10Ω to 40MΩ (variable)	\pm 0.02% of setting		
PT100 Simulation	-180°C to 850°C	± 0.2°C		
Capacitance	1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF	\pm 0.25% of setting		
Option 9780: Clamp Meter Adaptor	AC/DC Current up to 1100A (DC, 45 to 90Hz)	± 0.5%		
ption 9770: Oscilloscope Calib	pration			
Amplitude	2mV to 200V and 1mV to 2V 50Ω (Square-wave or DC)	± 0.05%		
Frequency/Period 0.1Hz to 100MHz / 10ns to 10s (fixed values 1, 2, 5 sequence)		± 20ppm		
Duty Cycle	3 frequencies: 100Hz, 1kHz, 10kHz, settable from 0 to 100%	_		
Fast-Rise	< 400ps. Bandwidth checking up to 400MHz	-		
Option 9783: Frequency Reference	0.1Hz to 10MHz enhanced frequency accuracy reference	± 0.1ppm (enhanced accuracy for timer/counters)		
Option 9769: 2.2GHz Sweep	50MHz to 2.2GHz levelled sine-wave (0.5, 1, 1.5V pk-pk)	Amplitude \pm 1%, Frequency \pm 20ppm		
ption 9797: Power Calibration				
plien eren rener ealibration				
Power	22A, 1050V, 23kW, 45 to 400Hz	ACV: 0.03%, DCV: 0.01%, ACI: 0.1%, DCI: 0.03%		
	22A, 1050V, 23kW, 45 to 400Hz ± 90°/ 0.00 to 1.00PF	ACV: 0.03%, DCV: 0.01%. ACI: 0.1%, DCI: 0.03% ± 0.3°		
Phase/Power Factor	± 90°/ 0.00 to 1.00PF	ACV: 0.03%, DCV: 0.01%. ACI: 0.1%, DCI: 0.03% ± 0.3°		
Phase/Power Factor	\pm 90°/ 0.00 to 1.00PF nance Pack (added values/types shown in bold where applicable)	± 0.3°		
Phase/Power Factor ption 9701: Enhanced Perform Full Range Resistance	\pm 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) $1\Omega \text{ to } 120M\Omega \text{ (variable)}$	\pm 0.3° \pm 100ppm of setting		
Phase/Power Factor Potion 9701: Enhanced Perform Full Range Resistance RTD Simulation	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200 , PT500 , PT1000	± 0.3° ± 100ppm of setting ± 0.03°C		
Phase/Power Factor Pption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation	± 90°/ 0.00 to 1.00PF nance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U	± 0.3° ± 100ppm of setting ± 0.03°C ± 0.05°C		
Phase/Power Factor ption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1μF, 10μF, 20μF, 50μF, 100μF	± 0.3° ± 100ppm of setting ± 0.03°C ± 0.05°C ± 0.2% of setting		
Phase/Power Factor ption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency	± 90°/ 0.00 to 1.00PF nance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz	$\pm 0.3^{\circ}$ $\pm 100 \text{ppm of setting}$ $\pm 0.03^{\circ}\text{C}$ $\pm 0.05^{\circ}\text{C}$ $\pm 0.2\% \text{ of setting}$ $\pm 0.05\% \text{ of setting}$		
Phase/Power Factor ption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges	\pm 0.3° \pm 100ppm of setting \pm 0.03°C \pm 0.05°C \pm 0.2% of setting \pm 0.05% of setting \pm 15ppm		
Phase/Power Factor Pption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency	± 90°/ 0.00 to 1.00PF nance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz	$\pm 0.3^{\circ}$ $\pm 100 \text{ppm of setting}$ $\pm 0.03^{\circ}\text{C}$ $\pm 0.05^{\circ}\text{C}$ $\pm 0.2\% \text{ of setting}$ $\pm 0.05\% \text{ of setting}$		
Phase/Power Factor Pption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges	\pm 0.3° \pm 100ppm of setting \pm 0.03°C \pm 0.05°C \pm 0.2% of setting \pm 0.05% of setting \pm 15ppm		
Phase/Power Factor Deption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges	\pm 0.3° \pm 100ppm of setting \pm 0.03°C \pm 0.05°C \pm 0.2% of setting \pm 0.05% of setting \pm 15ppm \pm 0.1% of setting aptor • 9790: 100 Amp AC Current Transformer tium High Stability Frequency Reference		
Phase/Power Factor Option 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance External Options	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges 1mH, 1.9mH, 5mH, 10mH, 19mH, 50mH, 100mH, 190mH, 500mH, 1H, 10H 9780: Clamp Meter Adaptor (1 & 50 turn coil) • 9773: Optical Tacho Ad 9760: Power Amplifier (60V AC, 90V DC - 100mA) • 9762: Rubic	\pm 0.3° \pm 100ppm of setting \pm 0.03°C \pm 0.05°C \pm 0.2% of setting \pm 0.05% of setting \pm 0.05% of setting \pm 0.1% of setting aptor • 9790: 100 Amp AC Current Transformer fium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) 28: 19" Universal Rack Mount Kit		
Phase/Power Factor Poption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance External Options External Adaptors/Instruments Accessories	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges 1mH, 1.9mH, 5mH, 10mH, 19mH, 50mH, 100mH, 190mH, 500mH, 1H, 10H 9780: Clamp Meter Adaptor (1 & 50 turn coil) • 9773: Optical Tacho Ad 9760: Power Amplifier (60V AC, 90V DC - 100mA) • 9762: Rubic 9764: Current Probe Calibration Adaptor • 9766: Low Noise Attenuator 9085: Soft Carry Case • 9059: Hard Transit Case • 972	$\pm 0.3^{\circ}$ $\pm 100ppm of setting$ $\pm 0.03^{\circ}C$ $\pm 0.05^{\circ}C$ $\pm 0.2\% of setting$ $\pm 0.05\% of setting$ $\pm 15ppm$ $\pm 0.1\% of setting$ aptor • 9790: 100 Amp AC Current Transformer tium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) 28: 19" Universal Rack Mount Kit able) • C225: UKAS Certificate (ISO 17025) 9779: Job and Address Label Printer		
Phase/Power Factor Phase/Power Factor Potion 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance External Options External Adaptors/Instruments Accessories and Calibration Certificates	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges 1mH, 1.9mH, 5mH, 10mH, 19mH, 50mH, 100mH, 190mH, 500mH, 1H, 10H 9780: Clamp Meter Adaptor (1 & 50 turn coil) • 9773: Optical Tacho Ad 9760: Power Amplifier (60V AC, 90V DC - 100mA) • 9762: Rubic 9764: Current Probe Calibration Adaptor • 9766: Low Noise Attenuator 9085: Soft Carry Case • 9059: Hard Transit Case • 972 9796: Premium Test Lead Set • C220: Factory Certificate (NPL trace ECFLA: EasyCal Full License • 9777: Bar Code Reader •	$\pm 0.3^{\circ}$ $\pm 100ppm of setting$ $\pm 0.03^{\circ}C$ $\pm 0.05^{\circ}C$ $\pm 0.2\% of setting$ $\pm 0.05\% of setting$ $\pm 15ppm$ $\pm 0.1\% of setting$ aptor • 9790: 100 Amp AC Current Transformer tium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) 28: 19" Universal Rack Mount Kit able) • C225: UKAS Certificate (ISO 17025) 9779: Job and Address Label Printer		
Phase/Power Factor ption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance Sternal Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges 1mH, 1.9mH, 5mH, 10mH, 19mH, 50mH, 100mH, 190mH, 500mH, 1H, 10H 9780: Clamp Meter Adaptor (1 & 50 turn coil) • 9773: Optical Tacho Ad 9760: Power Amplifier (60V AC, 90V DC - 100mA) • 9762: Rubic 9764: Current Probe Calibration Adaptor • 9766: Low Noise Attenuator 9085: Soft Carry Case • 9059: Hard Transit Case • 972 9796: Premium Test Lead Set • C220: Factory Certificate (NPL trace ECFLA: EasyCal Full License • 9777: Bar Code Reader •	± 0.3° ± 100ppm of setting ± 0.03°C ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.2% of setting ± 0.1% of setting ± 0.1% of setting aptor • 9790: 100 Amp AC Current Transformer fium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) 28: 19" Universal Rack Mount Kit able) • C225: UKAS Certificate (ISO 17025) 9779: Job and Address Label Printer WC: WebCerts • CREP: Crystal Reports Software		
Phase/Power Factor Phase/Power Factor Pation 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended AC Voltage Frequency Enhanced DC High Voltage Inductance External Options External Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software Ceneral Specifications	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges 1mH, 1.9mH, 5mH, 10mH, 19mH, 50mH, 100mH, 190mH, 500mH, 1H, 10H 9780: Clamp Meter Adaptor (1 & 50 turn coil) • 9773: Optical Tacho Add 9760: Power Amplifier (60V AC, 90V DC - 100mA) • 9762: Rubic 9764: Current Probe Calibration Adaptor • 9766: Low Noise Attenuator 9085: Soft Carry Case • 9059: Hard Transit Case • 972 9796: Premium Test Lead Set • C220: Factory Certificate (NPL trace ECFLA: EasyCal Full License • 9777: Bar Code Reader • EC2FL/EC2WL: Additional User Licenses • EAD: EasyAdmin Add-On • E	± 0.3° ± 100ppm of setting ± 0.03°C ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.2% of setting ± 0.1% of setting ± 0.1% of setting aptor • 9790: 100 Amp AC Current Transformer fium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) 28: 19" Universal Rack Mount Kit able) • C225: UKAS Certificate (ISO 17025) 9779: Job and Address Label Printer WC: WebCerts • CREP: Crystal Reports Software		
Phase/Power Factor ption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended AC Voltage Frequency Enhanced DC High Voltage Inductance Xternal Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software General Specifications Supplied Accessories	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges 1mH, 1.9mH, 5mH, 10mH, 19mH, 50mH, 100mH, 190mH, 500mH, 1H, 10H 9780: Clamp Meter Adaptor (1 & 50 turn coil) • 9773: Optical Tacho Ad 9760: Power Amplifier (60V AC, 90V DC - 100mA) • 9762: Rubic 9764: Current Probe Calibration Adaptor • 9766: Low Noise Attenuator 9085: Soft Carry Case • 9059: Hard Transit Case • 972 9796: Premium Test Lead Set • C220: Factory Certificate (NPL trace ECFLA: EasyCal Full License • 9777: Bar Code Reader • EC2FL/EC2WL: Additional User Licenses • EAD: EasyAdmin Add-On • E Basic Test Lead Set • PC Virtual Control Software • RS-232 Cable • RS-232 to	± 0.3° ± 0.03°C ± 0.03°C ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.2% of setting ± 0.1% of setting ± 0.1% of setting aptor • 9790: 100 Amp AC Current Transformer tium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) 28: 19" Universal Rack Mount Kit able) • C225: UKAS Certificate (ISO 17025) 9779: Job and Address Label Printer WC: WebCerts • CREP: Crystal Reports Software		
Phase/Power Factor ption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended AC Voltage Frequency Enhanced DC High Voltage Inductance External Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software Supplied Accessories Supplied Accessories Warm up	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges 1mH, 1.9mH, 5mH, 10mH, 19mH, 50mH, 100mH, 190mH, 500mH, 1H, 10H 9780: Clamp Meter Adaptor (1 & 50 turn coil) • 9773: Optical Tacho Add 9760: Power Amplifier (60V AC, 90V DC - 100mA) • 9762: Rubic 9764: Current Probe Calibration Adaptor • 9766: Low Noise Attenuator 9085: Soft Carry Case • 9059: Hard Transit Case • 972 9796: Premium Test Lead Set • C220: Factory Certificate (NPL trace ECFLA: EasyCal Full License • 9777: Bar Code Reader • EC2FL/EC2WL: Additional User Licenses • EAD: EasyAdmin Add-On • E Basic Test Lead Set • PC Virtual Control Software • RS-232 Cable • RS-232 to 30 minutes to full accuracy	± 0.3° ± 100ppm of setting ± 0.03°C ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.2% of setting ± 0.1% of setting ± 0.1% of setting aptor • 9790: 100 Amp AC Current Transformer fium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) 28: 19" Universal Rack Mount Kit able) • C225: UKAS Certificate (ISO 17025) 9779: Job and Address Label Printer WC: WebCerts • CREP: Crystal Reports Software		
Phase/Power Factor ption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended AC Voltage Frequency Enhanced DC High Voltage Inductance Xternal Options External Adaptors/Instruments External Adaptors/Instruments EasyCal Software Ceneral Specifications Supplied Accessories Warm up Temperature Performance	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges 1mH, 1.9mH, 5mH, 10mH, 19mH, 50mH, 100mH, 190mH, 500mH, 1H, 10H 9780: Clamp Meter Adaptor (1 & 50 turn coil) • 9773: Optical Tacho Ad 9760: Power Amplifier (60V AC, 90V DC - 100mA) • 9762: Rubic 9764: Current Probe Calibration Adaptor • 9766: Low Noise Attenuator 9085: Soft Carry Case • 9059: Hard Transit Case • 972 9796: Premium Test Lead Set • C220: Factory Certificate (NPL trace ECFLA: EasyCal Full License • 9777: Bar Code Reader • EC2FL/EC2WL: Additional User Licenses • EAD: EasyAdmin Add-On • E Basic Test Lead Set • PC Virtual Control Software • RS-232 Cable • RS-232 T 30 minutes to full accuracy Operating: 5 to 45°C. Calibration: 15 to 28°C. Storage: -10 to 50°C	± 0.3° ± 0.03°C ± 0.03°C ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.2% of setting ± 0.1% of setting ± 0.1% of setting aptor • 9790: 100 Amp AC Current Transformer tium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) 28: 19" Universal Rack Mount Kit able) • C225: UKAS Certificate (ISO 17025) 9779: Job and Address Label Printer WC: WebCerts • CREP: Crystal Reports Software		
Phase/Power Factor ption 9701: Enhanced Perform Full Range Resistance RTD Simulation Extended Thermocouple Simulation Extended AC Voltage Frequency Enhanced DC High Voltage Inductance Accessories and Calibration Certificates EasyCal Software Ceneral Specifications Supplied Accessories Supplied Accessories Supplied Accessories Marm up Temperature Performance Operating Humidity / Altitude	± 90°/ 0.00 to 1.00PF hance Pack (added values/types shown in bold where applicable) 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 -210 to 2315°C. Type J, K, R, T, S, B, E, N, C, L, U 1nF, 10nF, 20nF, 50nF, 100nF, 200nF, 500nF, 1µF, 10µF, 20µF, 50µF, 100µF 1mV to 200mV/300kHz, 200mV to 2V/1MHz 20 to 200V and 100 to 1020V additional ranges 1mH, 1.9mH, 5mH, 10mH, 19mH, 50mH, 100mH, 190mH, 500mH, 1H, 10H 9780: Clamp Meter Adaptor (1 & 50 turn coil) • 9773: Optical Tacho Ad 9760: Power Amplifier (60V AC, 90V DC - 100mA) • 9762: Rubid 9764: Current Probe Calibration Adaptor • 9766: Low Noise Attenuator 9085: Soft Carry Case • 9059: Hard Transit Case • 972 9796: Premium Test Lead Set • C220: Factory Certificate (NPL trace ECFLA: EasyCal Full License • 9777: Bar Code Reader • EC2FL/EC2WL: Additional User Licenses • EAD: EasyAdmin Add-On • E Basic Test Lead Set • PC Virtual Control Software • RS-232 Cable • RS-232 I 30 minutes to full accuracy Operating: 5 to 45°C. Calibration: 15 to 28°C. Storage: -10 to 50°C < 80% non condensing. Altitude: 0 to 3km. Non operating: 3km to 12km	± 0.3° ± 100ppm of setting ± 0.03°C ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.2% of setting ± 0.1% of setting ± 0.1% of setting aptor • 9790: 100 Amp AC Current Transformer fium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) 28: 19" Universal Rack Mount Kit able) • C225: UKAS Certificate (ISO 17025) 9779: Job and Address Label Printer WC: WebCerts • CREP: Crystal Reports Software		

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5025C Ordering Information

Code	Description
5025C	Multifunction Calibrator (15ppm) AC/DC 1kV/22A. Decade Resistance to 1G ohm, Simulated Resistance 10 ohm to 40M ohm, Thermocouple Simulation (J,K,R,T,S,B,E,N), Conductance, PT100 Simulation, Capacitance, 10MHz Frequency, Basic Test Lead Set, Virtual Control Software.
5025C Inte	rnal Options
9701	5025C Enhanced Performance Pack Full range variable resistance, extended temperature functions, extended capacitance, inductance, additional precision high DCV ranges and increased ACV frequency bandwidth.
9797	Power Calibration (0 - 20KW AC and DC)
9770	Oscilloscope Calibration (1mV - 200V, 0.1Hz - 100MHz / Bandwidth checking to 400MHz)
9783	Oven-Controlled Frequency Reference (for timer/counters, increases accuracy to 0.1ppm from 0.1Hz to 10MHz). Option 9770 must be fitted.
9769	Oscilloscope Calibration 2.2GHz Levelled Sine Generator
5025C Ada	aptors, Accessories and Calibration Certificates
9762	Rubidium High Stability Frequency Reference (9770 internal scope option must be fitted)
9764	Current Probe Calibration Adaptor (9770 internal scope option must also be fitted)
9773	Optical Tacho Adaptor
9780	Clamp Meter Adaptor (1 & 50 turn coil)
9790	100 Amp AC Current Transformer
9760	Power Amplifier (60V AC, 90V DC - 100mA)
9766	External Low Noise Attenuator 1000:1
9767	External Low Noise Attenuator 100:1
9085	Soft Carry Case
9059	Hard Transit Case
9728	19" Universal Rack Mount Kit
9796	Premium Test Lead Set (basic test lead set supplied as standard)
C220	Factory Calibration Certificate (NPL traceable)
C225	UKAS Calibration Certificate (ISO 17025)
EW01	Extended Warranty - 3 years total covering parts and labour.

EasyCal Software

User Licen	User Licenses			
ECFLA	EasyCal Full License (discounted price when purchased with 5025C)			
EC2FL	EasyCal Additional Full License (secondary user)			
EC2WL	EasyCal Work Station License (full management/scheduling, no calibration run)			
EasyCal A	EasyCal Accessories and PC Communication			
9795	Printer and Connectivity Kit			
9777	Bar Code Reader			
9778	Cal and ID Label Printer			
9779	Job and Address Label Printer			
CREP	Crystal Reports Sofware: For detailed editing and formatting of certificate styles			
9597	GPIB Cable			
9743	PCI to GPIB Interface Card for PC			

For full listings of EasyCal software and options please see the EasyCal brochure for information.

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