



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.

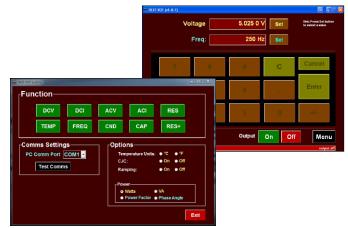
SIMPLE OPERATION

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.

- o 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.

| | | | R Calibration Ru | n | | | | | |
|------------------------------------|--|------------------------|------------------|--------------|---------------|-----------------------------------|--------|-------------|--------------|
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| EasyCal | Time Electronics Unit 11, Sovereign Way Tonbridge, Kent. TN9 1RH Tet: 01732 355593 | | Prompt | | Press Enter (| or click ok) to Confirm Promot | | 4 5 1 2 | 6 0 3 (|
| | Fax: 01732 770312 emait mail@timeelectronics.co.uk | | SELECT 30V DO | C RANGE | | | _ | 0. | c c |
| Customer /Owner | MARTIN ANDREWS Call By etem & Lite Calibration House Calibration Rose CAL (HH | Tel: Fax: Email: | Stop Output | (3) Abort | Contest Conte | ol Rep | | () Fault | © Enter |
| Instrument /Device | Type MULTIMETER Manufacturer EX.T Model Number 151 Senai Number 52775/8V ID Number 52775/8V ID Number 5000-00MM Procesure DEMO-358 | Date Receive | s: 20 May 2009 | | | | | | |

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5025C Specifications

| chnical Specifications Function | Range / Values | Best 1 year Specification | |
|---|---|---|--|
| Voltage DC | $0 \text{ to } \pm 1050 \text{V}$ | ± 15ppm of setting | |
| Voliage DO | | | |
| 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 | 10nF, 20nF, 50nF, 100nF, 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 Calik | pration | | |
| Amplitude | 2mV to 200V and 1mV to 2V 50 Ω (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 | | | |
| Power | 22A, 1050V, 23kW, 45 to 400Hz | ACV: 0.03%, DCV: 0.01%. ACI: 0.1%, DCI: 0.03% | |
| Phase/Power Factor | ± 90°/ 0.00 to 1.00PF | ± 0.3° | |
| | nance Pack (added values/types shown in bold where applicable) | | |
| | | | |
| Full Range Resistance | 1Ω to 120MΩ (variable) | ± 100ppm of setting | |
| Full Range Resistance RTD Simulation | 1Ω to 120MΩ (variable) -180 to 850°C. Type PT100, PT200, PT500, PT1000 | ± 100ppm of setting ± 0.03°C | |
| RTD Simulation | -180 to 850°C. Type PT100, PT200 , PT500 , PT1000 | | |
| RTD Simulation | | ± 0.03°C | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance | -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 | ± 0.03°C ± 0.05°C | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency | -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 | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance | -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 | ± 0.03°C ± 0.05°C ± 0.2% of setting | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance | -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 | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting ± 15ppm | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage | -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 | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting ± 15ppm | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance | -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 | $\pm 0.03^{\circ}C$ $\pm 0.05^{\circ}C$ $\pm 0.2\% \text{ of setting}$ $\pm 0.05\% \text{ of setting}$ $\pm 15\text{ppm}$ $\pm 0.1\% \text{ of setting}$ aptor • 9790: 100 Amp AC Current Transformer ium High Stability Frequency Reference | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance | -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 | $\pm 0.03^{\circ}C$ $\pm 0.05^{\circ}C$ $\pm 0.2\% \text{ of setting}$ $\pm 15\text{ppm}$ $\pm 0.1\% \text{ of setting}$ aptor • 9790: 100 Amp AC Current Transformer ium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) Rack Mount Kit • 9796: Premium Test Lead Set | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance External Options External Adaptors/Instruments Accessories | -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 • 9728: 19" Universal | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting ± 15ppm ± 0.1% of setting ± 0.1% of setting 15ppm ± 0.1% of setting 2000 Amp AC Current Transformer ium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) Rack Mount Kit • 9796: Premium Test Lead Set ate • C113: Extended UKAS (ISO 17025) Certificate 9779: Job and Address Label Printer | |
| 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 | -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 • 9728: 19" Universal C159: Factory Certificate (NPL traceable) • C103: UKAS (ISO 17025) Certificat ECFLA: EasyCal Full License • 9777: Bar Code Reader • 10000 | $\pm 0.03^{\circ}C$ $\pm 0.05^{\circ}C$ $\pm 0.2\% \text{ of setting}$ $\pm 15ppm$ $\pm 0.1\% \text{ of setting}$ $\pm 0.1\% \text{ of setting}$ aptor • 9790: 100 Amp AC Current Transformer ium High Stability Frequency Reference (1000:1) • 9767: Low Noise Attenuator (100:1) Rack Mount Kit • 9796: Premium Test Lead Set ate • C113: Extended UKAS (ISO 17025) Certificate 9779: Job and Address Label Printer | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance xternal Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software | -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 • 9728: 19" Universal C159: Factory Certificate (NPL traceable) • C103: UKAS (ISO 17025) Certificat ECFLA: EasyCal Full License • 9777: Bar Code Reader • 10000 | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting ± 15ppm ± 0.1% of setting ± 0.1% of setting time of setting ± 0.1% of setting | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance xternal Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software | -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 • 9728: 19" Universal C159: Factory Certificate (NPL traceable) • C103: UKAS (ISO 17025) Certificat ECFLA: EasyCal Full License • 9777: Bar Code Reader • EC2FL/EC2WL: Additional User Licenses • EAD: EasyAdmin Add-On • E | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting ± 0.05% of setting ± 15ppm ± 0.1% of setting time to the setti | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance xternal Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software Supplied Accessories | -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 • 9728: 19" Universal C159: Factory Certificate (NPL traceable) • C103: UKAS (ISO 17025) Certifica 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 | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting ± 0.05% of setting ± 15ppm ± 0.1% of setting time to the setti | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance Xternal Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software Supplied Accessories Marm up | -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 • 9728: 19" Universal C159: Factory Certificate (NPL traceable) • C103: UKAS (ISO 17025) Certificat 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 | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting ± 0.05% of setting ± 15ppm ± 0.1% of setting time to the setti | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance Xternal Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software Supplied Accessories Supplied Accessories Warm up Temperature Performance | -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 • 9728: 19" Universal C159: Factory Certificate (NPL traceable) • C103: UKAS (ISO 17025) Certificat 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 | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting ± 0.05% of setting ± 15ppm ± 0.1% of setting time to the setti | |
| RTD Simulation Extended Thermocouple Simulation Extended Capacitance Extended AC Voltage Frequency Enhanced DC High Voltage Inductance Xternal Options External Adaptors/Instruments Accessories and Calibration Certificates EasyCal Software Supplied Accessories Supplied Accessories Operating Humidity / Altitude | -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 • 9728: 19" Universal C159: Factory Certificate (NPL traceable) • C103: UKAS (ISO 17025) Certifica 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 < 80% non condensing, Altitude: 0 to 3km. Non operating: 3km to 12km | ± 0.03°C ± 0.05°C ± 0.2% of setting ± 0.05% of setting ± 0.05% of setting ± 15ppm ± 0.1% of setting time to the setti | |

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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 | 5025C Internal 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 Adaptors, 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) | | | | | |
| C159 | Factory Calibration Certificate (NPL traceable) | | | | | |
| C103 | UKAS Calibration Certificate (ISO 17025) | | | | | |
| C113 | Extended UKAS Calibration Certificate (ISO 17025) | | | | | |
| EW01 | 5025E/5025C Extended Warranty - 3 years total covering parts and labour. | | | | | |

EasyCal Software

| 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 | ccessories 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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