

- 0 22V DCV. (30V DC Optional)
- Optional 0-22VAC, 220VDC & 1kVDC
- Optional 0-220mA AC/DC
- Ramping Feature
- GPIB, RS232 & USB Interface
- Ideal for ATE applications
- Rack mount kit available



High Accuracy Programmable DC/AC Source

The 5018 covers a wide range of applications. It can be configured as a simple bench top DC voltage calibrator or advanced AC/DC voltage and current source controlled via PC, performing any number of tasks as part of a complex ATE test rig.

The outstanding accuracy and stability is achieved by the use of a patented circuit. It incorporates a dedicated micro-processor to continually monitor the state of a bank of precision voltage references. An external 1000:1 screened attenuator is available as an option for very low noise AC output.

Ramping Feature

The 5018 includes an internal ramping feature. A ramp rate per range for each function can be set via a PC. The option to ramp the output can be turned on or off via the front panel. This is very useful for testing analogue gauges.

Display

Simple front panel operation allows the user to quickly set the function and output required. Using the jog / shuttle dial deviation the user can finely adjust the output value as a percentage (+/-99.99%). All this information is shown on a clear, easy to read LED display.

GPIB, RS232 & USB Interface

These interfaces allow the 5018 to be connected to a PC and controlled by an external program such as Time Electronics' EasyCal calibration software.

The 5018 uses a SCPI command structure for programming. This makes writing control programs in Visual Basic, C and Labview a simple task.

Calibration Made Easy

Connect the 5018 to a PC/Laptop (via RS232, GPIB or USB) installed with Time Electronics EasyCal and automate the calibration process. Increase speed of calibration and consistency of results; produce calibration certificates and reports to ISO 9001 quality standards. EasyCal has the ability to control a wide range of programmable instruments and comprehensive ATE systems can be configured to control a variety of applications. It has full read back capability and therefore can perform closed loop testing. Conditional tests can be configured to allow decision making to further enhance the usefulness.

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Due to continuous development Time Electronics reserves the right to change specifications without prior notice.

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