

Voltage & Current Recorders

Field Proven Performers

These 4 channel, 12 bit resolution DataScribes record DC voltage or current at intervals up to 1 second. They include 2 alarm outputs that are capable of switching external DC loads to 24 volts at 100 mA. They're perfect for activating a dialer, or controlling external devices. The alarms can be set to be active in, or out of range, and can be set to latch on, or reset, when sensed values are back in range.

These DataScribes also feature:

- ◆ visual alarm and operation indicators
- ◆ 64,000 byte non-volatile memory protects data
- ◆ start at future date & time option
- ◆ externally triggered start option
- ◆ alarm & min/max delay option
- ◆ date/time stamped out-of-limit alarms
- ◆ data retrieval does not interrupt logging
- ◆ Transporter™ data shuttle compatible
- ◆ runs for a year using 9V battery
- ◆ Y2K compliant and CE certified

These DataScribes are perfect for:

- ◆ logging 4 to 20 mA or VDC sensors
- ◆ recording meteorological data
- ◆ monitoring energy management systems
- ◆ troubleshooting process controllers
- ◆ pH & dissolved O2 monitoring
- ◆ controlling simple processes
- ◆ alerting users to control errors



Superior Software

Our WinDataSoft software's powerful features include:

- ◆ annotate graph & save with data
- ◆ overlay multiple plots
- ◆ complete control of plot scales
- ◆ individual sensor scale selection
- ◆ control plot colors & symbols
- ◆ export or browse all data or daily min/max
- ◆ create custom plot, scale & calculation setups
- ◆ apply custom setups to any data record!

Powerful Calculations

Quite struggling with exports and spreadsheets! *Our software is the only one that includes the most desired calculations and treats them just like any of the physical sensors!* Ideal for Agriculture, HVAC, Pharmaceuticals, Hospitals, & Museums. Our many calculations include:

- ◆ Dew point, Wet bulb & Abs Humidity
- ◆ Heating/Cooling Degree-days
- ◆ Wood Equilibrium moisture Content
- ◆ Shelf Life (Permanence ratio)
- ◆ Mean Kinetic Temperature
- ◆ Temperature Humidity Index
- ◆ Mildew Index (3 methods)

Voltage & Current Recorders

Inputs

Channels:	4 total, single-ended, unipolar
Range:	0 to 2.5VDC (Model VS) 0 to 25 mA (Model MA)
Resolution:	12 bit (4096 counts) 0.006 volts (Model VS) 60 microamps (Model MA)
Accuracy:	0.1% +/- 1 count
DC Input Impedance:	100 ohms (Model MA) 5000 Megohms (Model VS)

Alarms

Total:	2, for Inputs 1 and 2
Features:	Active in, or out of band Delay alarm upto 255 samples Latch output, or reset when in range
Outputs :	2, low-side switching to common terminal
Max. Load	24VDC @ 100mA

General

Memory:	65,000 bytes (43,000 readings)
Intervals:	1 second to 24 hours
Clock Accuracy:	+/- 5 seconds per day
Battery:	9V Alkaline or U9VL Lithium
Life:	Alkaline: 1 year (typical) Lithium: 2 to 3 years (typical)
Enclosure:	ABS, 4.2 x 2.4 x 0.9 inches 106 x 61 x 23 millimeters weight: 5 ounces

Features

- Starts immediately on button press, at a programmable Date & Time, or by an external trigger input.
- High-quality pluggable screw-terminal strip
- Memory and setup are saved if battery is removed.
- Red/Green Alarm & Status Indicator blinks every 2 seconds when recording to confirm operation.
- Fast data retrieval doesn't interrupt logger operation!.
- Compatible with our Transporter™ data shuttle.
- Displays current, min/max, and alarm values when attached to a Transporter™.
- Fully Year 2000 Compliant.
- CE, ICES-003, and FCC certified.
- Full 2 year warranty, 30 day "No Risk" satisfaction guarantee!

Options

- External Sensors:** For AC Voltage, AC current, pressure, and more. Contact Avatel for a details!
- Input Scaling Adapters:** Replace the standard plug-in terminal block. Available to handle all the common input voltages and current. Call for a current list.
- Other Models:** Models are also available which log temperature, humidity, events, and many other parameters. Give us a call!
- Transporter™:** Our pocket-portable data shuttle retrieves the data from up to 32 DataScribes. It displays the current, and min/max readings, any alarms, and the operating status of the attached logger. Contact Avatel for complete details.

Remarkably Reliable

Our first DataScribes were introduced in 1989! Since day one they've been built to perform in the toughest conditions. They're assembled in our US facilities to the highest quality standards and thoroughly tested. We proudly stand behind them and confidently offer a full 2 year warranty.

No Risk

Prove to yourself that a DataScribe is the perfectly affordable solution for your application. Take advantage of our 30 day satisfaction guarantee. If you're not completely satisfied for any reason, just return it for a complete refund. So, give us a call at (707) 961-1016. We also invite you to visit our Web site at <http://www.avatel.com>.

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