

Ideal for cyclic and high speed testing where no display is needed.

These models are available in single channel versions, as well as 2, 3, and 4 channels versions. They provide all the signal conditioning electronics needed for a strain gage based extensometer.



Model ASC-1 single channel signal conditioner

The ASC has adjustable excitation voltage and a high accuracy amplifier to provide high level DC voltage output. A zero adjustment potentiometer is on the front panel.

The output is ideal for direct connection to data acquisition boards which require a high level DC input voltage. It will also directly connect to chart recorders or test controllers. For computer based controls, it also

allows the extensometer data to be acquired by the data acquisition software.

All models include a built in power supply and power cord for your country. A 2.5 m (8 ft) output cable is included to connect to external systems. Calibration with an extensometer (for each channel) is included in the pricing.

SPECIFICATIONS

- Zero adjustment potentiometer(s) on front panel
- Output adjustable up to ± 10 VDC
- Excitation adjustable 4 to 10 VDC
- Gain range of 2 to 5000
- Linearity 0.002% typical, 0.005 maximum
- Filtering: switch selectable, cutoff frequency of 10, 100 or 1000 Hz
- Output noise 10 Hz to 1 kHz: 200 microvolts
- Common mode rejection: 140 dB typical, 110 dB minimum
- Operating temperature range -25 to +70 °C
- Stability versus temperature: 40 ppm °C
- Includes power cord, connector for extensometer(s), output cable and calibration with extensometer
- Input power, either 120 VAC/60Hz or 230 VAC/50 Hz (specify)

Model ASC Available Versions:

- Model ASC-1 Single channel signal conditioner
- Model ASC-2 Dual channel signal conditioner
- Model ASC-3 Three channel signal conditioner
- Model ASC-4 Four channel signal conditioner



Model ASC-1 rear panel



Model ASC-2 dual channel signal conditioner

Model ASC-2 rear panel



Model ASC-3 three channel signal conditioner

Model ASC-3 rear panel



Model ASC-4 four channel signal conditioner

Model ASC-4 rear panel