

# ACT-1 Analogue Circuit Trainer

The **ACT-1** contains all of the functions required for studying and experimenting with active filters, operational amplifiers and other analogue circuitry, The ACT-1 is a complete analogue training instrument which is compact, lightweight and extremely durable.

**On Board Supplies:** Fixed:  $\pm 12$  VDC  $\pm 5\%$  150mA each short circuit protected.  
Variable Supplies: 0 to +7.5 VDC and 0 to -7.5 VDC,  $\pm 10\%$  50mA each. Both supplies short circuit protected and have LED indicators for short circuit.

**Frequency:** User variable by external capacitor (0.1 Hz to 100 KHz)  
User FM control line

**Uncommitted Functions:** 2 Slide pots, 10K and 100K  $\pm 20\%$   
2 SPDT slide switches  
2 BNC connectors  
1 Speaker, 8 ohms

**Duty Cycle:** 50% all waveforms

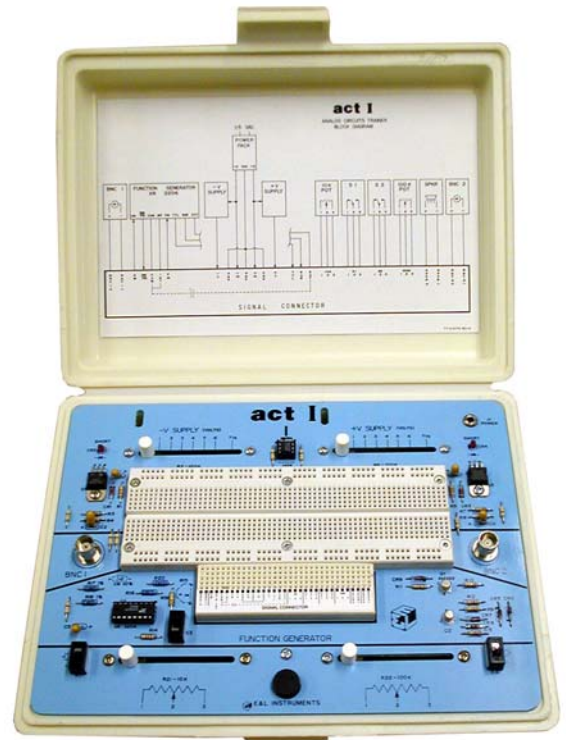
**Amplitudes: (typical)** Sine 4V p-p @ 10K ohm load  
Triangle 9V p-p @ 10K ohm load  
Square 8V p-p @ 10K ohm load  
TTL logic "0" 0.3 V max. at 1 TTL load  
TTL logic "1" 4 V mm, at 1 TTL load  
User AM control line, (only controls sine and triangle waves)

**Signal Connections:** All signals and functions connected to a solderless interconnect socket which has 5 tie points available for each signal.

**Breadboarding:** One SK-10 solderless breadboarding socket is permanently attached to the unit giving a total of 840 contact points. The SK-10 can accommodate up to eight 14 pin ICs with 4 tie points per pin plus eight power rails with 25 tie points each.

**Dimensions:** 6.6 x 19.0 x 25.4cm (H x W x D) (2.6" x 7.5" x 10")

**Weight:** 1.5kg



ORDERING INFORMATION	Part Number
ACT-1 (includes AC Adaptor)	325-2001

*(Please specify 230V or 115 V AC input when ordering)*

**Cristiani SRL**

**Didattica per l'Electronica**

Viale Altea 39 - 27049 STRADELLA (PV)

Tel 0385 42192 / 42975 - Fax 0385 240077

E-mail [cristiani@cristianisrl.it](mailto:cristiani@cristianisrl.it)

Web <http://www.cristianisrl.it>

**E & L Instruments**

**"TOTAL SOLUTIONS FOR ELECTRONICS TRAINING"**

Aerial Road, Llay, Wrexham, LL12 0TU. UK. Tel: 01978 853920 Fax: 01978 854564

Email: [e&l@aerial.demon.co.uk](mailto:e&l@aerial.demon.co.uk)

web: [www.aerial.demon.co.uk](http://www.aerial.demon.co.uk)