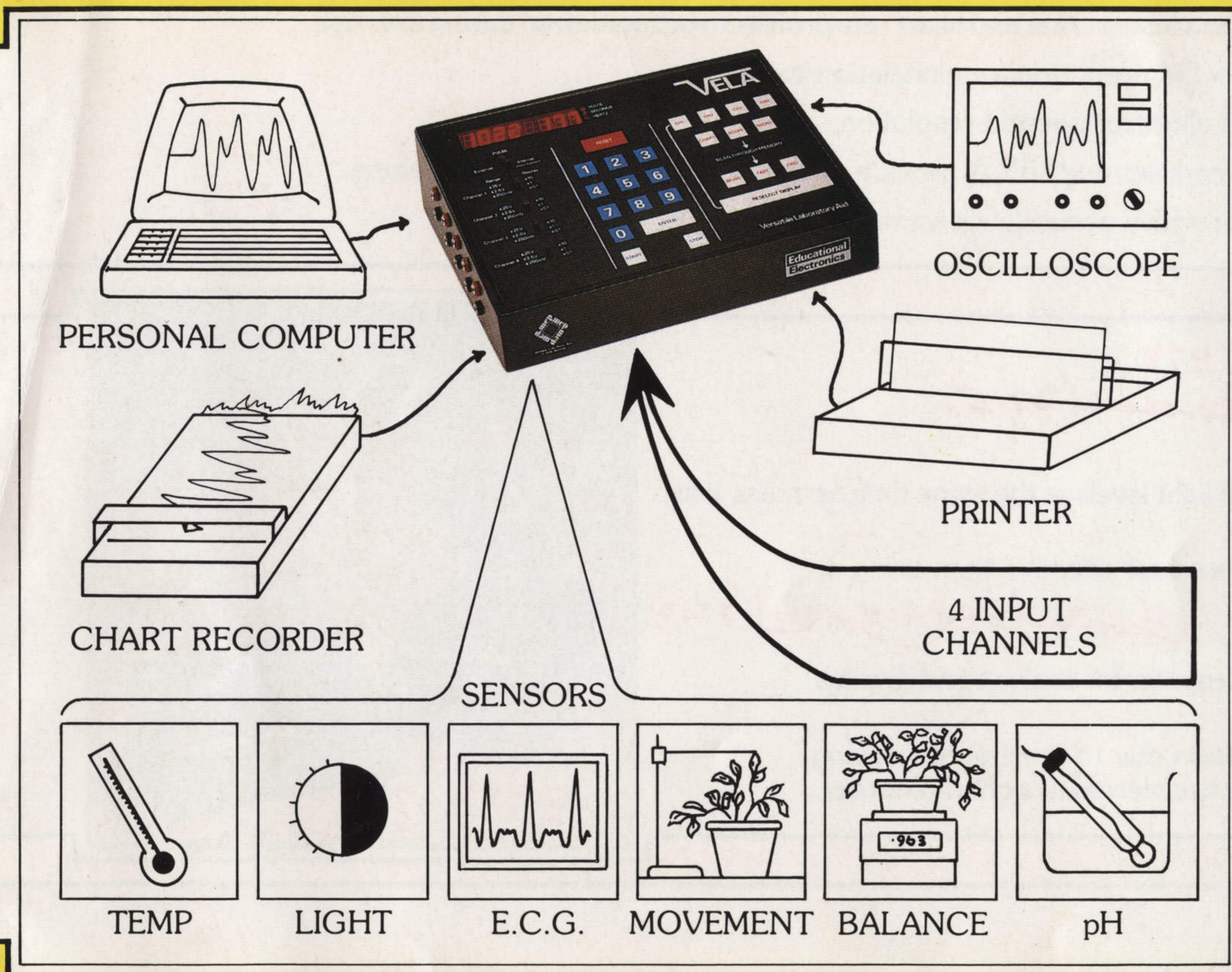


**VELA—a simple to use,
ergonomically designed instrument
for your biological measurements.**



**£90 buys
you the heart
of a biological
measuring
system**



**Department of Trade & Industry's
half price offer . . .**

VELA is backed by the Department of Trade and Industry's half-price offer which closes 30th June 1984.

ORDER NOW through your Local Education Authority or contact directly Mr Asante, Council for Educational Technology, 3 Devonshire Street, London W1N 2BA, telephone 01-636-4186.

**Educational
Electronics**

For further details contact Educational Electronics
28 Lake Street, Leighton Buzzard, Beds.
Telephone: (0525) 373666

**but order now—the Department of
Trade & Industry's half price offer
ends on the 30th June 1984.**

VELA - a flexible solution for a future of change



PHYSIOLOGICAL MEASUREMENTS:

Typical Experiments:

- * *E.C.G.:* A simple pre-amplifier and battery powered VELA produces an isolated system for safe electrocardiogram measurements.
- * *Pulse Rate:* An ear-lobe pulse sensor enables instantaneous heart rate and heart rate profiles to be monitored during exercise.
- * *Breathing Rate:* A simple thermistor sensor clipped to the nose monitors inhalation/exhalation.
- * *Reaction Time:* VELA's electronic stopwatch facilities allow millisecond resolution.
- * *G.S.R.:* Battery powered galvanic skin response pre-amplifier and VELA provide safe, isolated, reliable measurements.
- * *Limits of Audibility:* VELA's digital frequency meter provides accurate measurements.

LABORATORY DATA CAPTURE

Typical Experiments:

- * *Mass Loss Due to Transpiration:*
VELA will be capable of direct connection to Electronic balances—recording temperature and light levels at the same time as mass loss.
- * *Monitoring Plant Growth:*
VELA connected to an electronic arm can monitor plant growth over a 10 day period—more cost effective than using a computer for long periods.
- * *Aquarium Monitoring of Light, Oxygen*
VELA can monitor light and oxygen from suitable sensors. It can then transfer its results to a computer for analysis and display.
- * *Oxygen Consumption Investigations*
An electronic manometer connected to VELA can be used to investigate oxygen consumption due to respiration in living materials—the influence of environmental factors can be determined also. Results can later be transferred to a chart recorder.



ENVIRONMENTAL MONITORING

- * *Simultaneous Monitoring of Light, Temperature, Oxygen and pH*

VELA's 4 input channels allow simultaneous monitoring from sensors in ponds, streams, rock pools, etc. VELA's facilities enable data to be stored when the battery supply is unplugged. On returning to the laboratory recorded data can be transferred to your microcomputer for display, statistical analysis or permanent storage on disc.

- * *Temperature/Light Measurements at 4 Different Places*

4 input channels allow monitoring of the same physical quantity at 4 different places, e.g. light or temperature at different levels in tall grass, rock pools, soil, etc. Effects of microclimates can be observed.

... for less money than a microscope!