



Multifunction Printer 6 channels

Cat. No. 2600

**Multi-function, flexible Data Acquisition
System designed to acquire counting
or timing data from 6 independent channels**

General

The 2600 Multifunction Printer is a microprocessor controlled device designed to acquire digital signals from 6 independent channels.

It can count the number of signals received across time intervals of adjustable length. For example it can be used with Activity Wheels to study rodents circadian rhythms.

The data can be printed on thermal paper in real time, stored in the internal memory or routed to the PC via the provided software.



Main Features

- 6 independent channels
- Internal memory
- Embedded printer
- Software included (RS232 to PC)
- Measurements across time (adjustable time bin)

The Multifunction Printer is provided with an internal memory, where the data can be stored to be downloaded later on. This makes the 2600 a truly **flexible multi-purpose data-acquisition system**.

Each channel can acquire data from instruments which supply timing TTL signals, such as:-

37215	Analgesy-Meter
7360	Tail Flick Unit (old-style)
7370	Plantar Test (old-style)
7550/7570	Passive Avoidance Set-up
7600/7650	Rota-Rod Treadmills for Mice (old-style); (requires 5 channels)
7700/7750	Rota-Rod Treadmills for Rats (old-style); (requires 4 channels).

or counting signals, such as:

6650	Hole Board
1800/1850	Activity Wheels

Counting data are printed at preset intervals. Timing data, for instance from Plantar Test, consist of duration of time intervals (latency).

Cumulative recording can also take place: for instance in food and water-intake experiments, the researcher is generally interested in assessing the total time spent during a drinking (or eating) session, irrespective of amount and duration of individual gnawing or licking bouts.

Instrument Functions

The 2600 includes a graphic display which presents all available commands. The operator chooses by simply acting on the 4-button keyboard located below the display.

The data string for any activated channel, in order from left to right, shows: the input channel number among the six available, the datum proper in 5 digits (3 integers and 2 decimals for timing mode and 5 integers for counting mode) and the elapsed time expressed in minutes (2 digits) from the start of the trial in progress.

Moreover, the data string may also contain some experiment information (animal number, gender, etc.).

The RS232 connector, besides linking the 2600 to the PC, can accept signals from other instruments with a serial connector, such as the Plethysmometer 7140. The data string supplied by a microprocessor-controlled instrument linked to the 2600 serial connector is directly printed on the chart with indication of the address of the instrument which generated it.

This string does not interfere with any of the six available input channels, which remain fully operative.

Routing the Data to the PC

The data can be directly routed to the PC in real time or downloaded later on. The serial communication between the 2600 and the PC is managed by the CUB Data Acquisition Software Cat. 52050-01 (included in the standard package) for IBM (or compatible) PC.

The data collected by the Win-DAS program from each instrument are automatically stored into individual files, ready to be managed by most statistical analysis packages available (Lotus, Excel, etc.).

Ordering Information

2600	6-CHANNEL MULTIFUNCTION PRINTER,
	complete with following standard accessories:
37400-305	Package of 10 Heat Sensitive Paper Rolls
2606	9-pin Cable, to the PC
52050-01	CUB Data Acquisition Software
52010-320	USB converter to serial port
52010-322	Connecting cable 9 to 9 pin
E-WP 008	Mains Cable

Connections Cables (non included)

2610-A	for 7370 & 7360 (old model)
2610-B	for 7550
2610-C	for 6650
2610-D	for 37215
2610-E	for 7600/50 & 7700-50
2610-F	for 1800 / 1850 (featured in the picture)
2610-H	for 7570

Physical

Power Requirements	115 or 230 V, 50/60 Hz 30 VA max.
Dimensions	cm 26 (w) x 13 (d) x 12 (h)
Weight	Kg. 3.50
Shipping Weight	Kg. 6.50 approx.