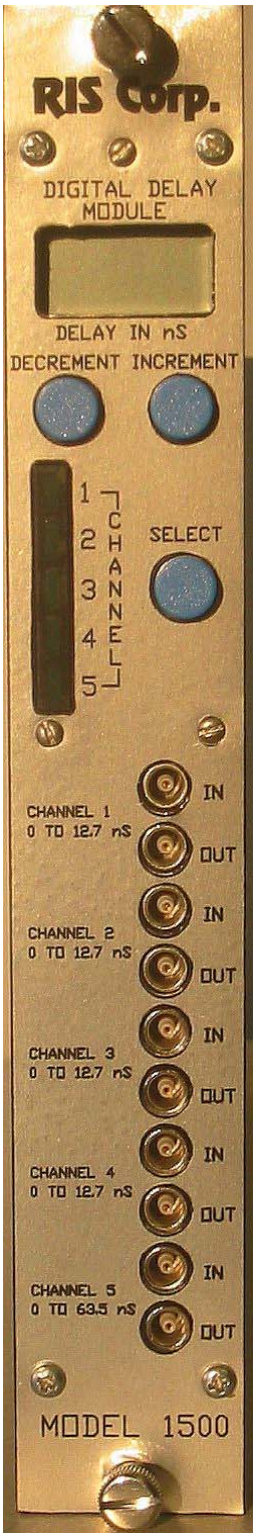
1500 Multi-Channel Programmable Delay



The RIS Model 1500 Multi-Channel Programmable Delay provides five channels of calibrated delay useful for providing time alignment of any type of signal (analog or digital). The delay of each channel is independently adjustable via a standard RS-232 serial port from the rear of the panel or from the front panel controls.

Channels 1 thru 4 provide a relative delay of between 0 and 12.7 nanoseconds inclusive programmable in steps of 0.1 nanoseconds. Channel 5 provides a relative delay of between 0 and 63.5 nanoseconds inclusive adjustable in 0.5 nanosecond increments. Longer delays can be achieved by cascading individual channels from one or more NIM-1000 units.

The module includes rear RS-232 serial connectors to allow computer control of each channel's delay. In addition, the module and computer software supports daisy chaining up to five modules using a single PC's serial port.

The input and output impedance of the Model 1500 are 50 Ω which makes it compatible with a variety of NIM and CAMAC modules.

PERFORMANCE	**Accuracy**	Channels 1 thru 4: ±0.1 ns or ±1% of set delay Channel 5: ±0.5 ns or ±1% of set delay
	Minimum Delay	2.0 ns per channel with delay set to 0
	Impedance	50.0 Ω ± 2 Ω
ELECTRICAL	**Power**	< 6 Watts from + 6 V NIM Supply
	Current	< 1 Ampere from +6 V NIM Supply
MECHANICAL	**Dimensions**	Standard NIM single-width module 3.43 X 22.13 cm (1.35 X 8.714 in.)
	Weight	1.0 kg (2.2 lb) Net 1.4 kg (3.0 lb) Shipping
CONNECTORS	**Front Panel**	Lemo EPL.00.250.NTN
	Rear Panel	9 pin sub D (female): PC serial interface 9 pin sub D (male): Expansion serial interface Standard NIM: Only +6 V used.
DISPLAYS	**LED**	Green LED indicates the selected channel
	LCD	Displays delay setting in ns for selected channel
CONTROLS	**Select**	Selects channel for delay adjustment/display
	Increment	Increases delay for the selected channel
	Decrement	Decreases delay for the selected channel
SOFTWARE	**RS-232**	Windows® software provides computer control for each delay setting. Up to five modules can be controlled from a single PC serial port.

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