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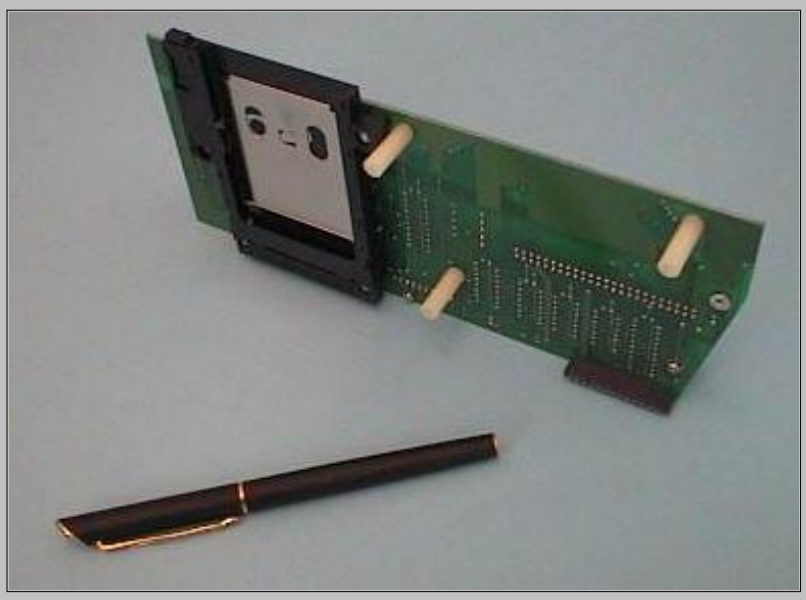
HyperLogger HLIM-5
Removable Memory Interface Module

HLIM-5 Tech Specs Memory Card Specs



Features...

- Provides Socket for Removable memory cards
- Cards expands memory to over 500,000 samples!
- Cards are easily transported for data download
- Reprogram the logger in the field via the Card
- Plug and Play compatibility with HyperLogger data logging system
- Encoded module ID for automatic identification

HLIM-5 Overview...

The HLIM-5 is a special function Interface Module for use in the HyperLogger data logging system. The HLIM-5 provides the socket and supporting circuitry to interface to removable data storage memory cards. These cards can serve several functions:

- **Transportable Memory** - With a memory card plugged into the HLIM-5 in a HyperLogger system, the logger will record data to the removable memory card rather than to internal HyperLogger memory. The memory card can then be removed, a new card inserted and filled card can be transported to another location for the download of data.

- **Expanded Memory** - Memory cards can be simply installed in the HLIM-5 and left... providing a simple means of radically expanding the HyperLogger memory. Recording capacity can be expanded to in excess of 500,000 samples!

- **Field Reprogramming** - Field located HyperLogger systems can be simply reprogrammed by installing a new memory card containing a modified Program Net (developed within the HyperWare software).

Data recorded on a Memory card can be downloaded while still installed in theHyperLogger through any of the conventional serial communication means (RS-232, modem, Ethernet, etc). Additionally, the card can be removed from the logger and downloaded via the HyperWare software running on a PC equipped with a PCMCIA drive. Alternatively, if the PC is not equipped with a current model PCMCIA drive, the Logic Beach PD-1 external PCMCIA drive

can be used. The PD-1 plugs into the parallel port of a PC and then interfaces as one more drive.

As with all communications between the HyperLogger and a PC, the HyperWare software handles data transfers from a card or via the serial link simply, graphically, and robustly with extensive error checking... insuring data integrity.

In addition to the Memory Card interface function, the HLIM-5 provides support circuitry for the Logic Beach MM-144 and MM-2400 modems. These optional internal modems provide phone line based control and interrogation of the HyperLogger as well as a Pager Alarm function. The modems plug directly into a special connector on the the HLIM-5 and can be field installed.

*** Note that modems do not utilize the Memory card socket... ***
HyperLogger systems can be equipped with ***both*** Memory Cards and modem capability

Refer to Modem features for details.

Installation of the HLIM-5 into the HyperLogger System Base is unique in that it has a memory card socket that projects through the front panel of the HyperLogger System Base. The HLIM-5 simply secures into the HyperLogger backplane in Port 6 and can be added in the field by the User. The module installation and hardware configuration is automatically detected via the HyperLogger and communicated to the HyperWare software during the programming process. No setup is required for the HLIM-5 and associated memory card.

All modules are 100% performance and accuracy tested before shipping.. assuring Users of a consistent high quality product.

HLIM-5 Applications...

- **Extended Unattended Data Logging** - with the expanded memory capability of the HLIM-5 equipped with a memory card... coupled with the powerful data reduction abilities of the HyperWare software... logging periods can be extended to months without downloads..

- **Non-technical staff data retrieval** - non-technical staff can be utilized to collect data from field located loggers. Collection is a simple matter of exchanging memory cards. For example, Park Rangers can swap cards as they make rounds in remote Park areas.

HLIM-5 Technical Specifications...

HyperLogger HLIM-5 Removable Memory Card Interface Module:

Module has integral socket for memory cards and interface for modem module. HLIM-5 accepts 512K to 4MB SRAM cards and optional modem.Module must be installed in HyperLogger port 6. PCMCIA socket projects through Option Port 1. NOTE: A single HLIM-5 module will accept both a memory card and a modem. Order memory cards and/or modem below to complete system.	
Socket:	PCMCIA socket with button ejector
Card Compatibility:	Logic Beach MC-50, MC-100, and MC-200 low-power SRAM cards or compatible

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Memory Card Technical Specifications...

MC-xxx Memory Cards:

PCMCIA Memory Cards for use with the HLIM-5 PCMCIA Socket Interface Module. Low-Power SRAM medium for data storage and transport.	
Capacity: MC-50; MC-100; MC-200;	 Apx. 50,000 to 80,000 Samples Apx. 100,000 to 150,000 Samples Apx. 200,000 to 300,000 Samples
Power:	Replaceable internal lithium cell. Cell provides memory backup power for card for apx 1 year (while out of HLIM-5). Dimensions: apx 2.1" x 3.4" x 0.15"

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