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#AH154 - HLT100A High Level Transducer Module



The HLT100A module is used to interface all high level output transducers to the MP100 system. The HLT100A module provides 16 input and 2 output channels. The HLT100A is similar in function to the UIM100A Universal Interface Module, but it also provides power to the transducer when making a connection. Connections to the HLT100A are made via a standard 6 pin RJ11 type connector.

Hardware Setup

The Digital and Analog cables from the MP100 connect directly to the HLT100A. Then, connect the UIM100A to the HLT100A. The HLT100A

module must be connected to the **left** side of the UIM100A module. This allows the use of other amplifier modules with the UIM100A while the HLT100A is connected.

Transducers (e.g., TSD109 Tri-Axial Accelerometer) or active electrodes (e.g., TSD150A Active Electrode) connect via the 16 analog RJ11 jacks on the front of the HLT100A. Up to 16 analog channels can be used at the same time, as long as there are no other analog channels in use by the UIM100A module or other BIOPAC modules (e.g., If four channels [Ch.1-4] are in use by the UIM100A, then only 12 channels [Ch. 5-16] can be used by the HLT100A.). If contention exists, the channel data will be corrupted.

Note: If active electrodes are used, it may be necessary to attach a single ground lead to the UIM100A via the GND A terminal on the back of the module.

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