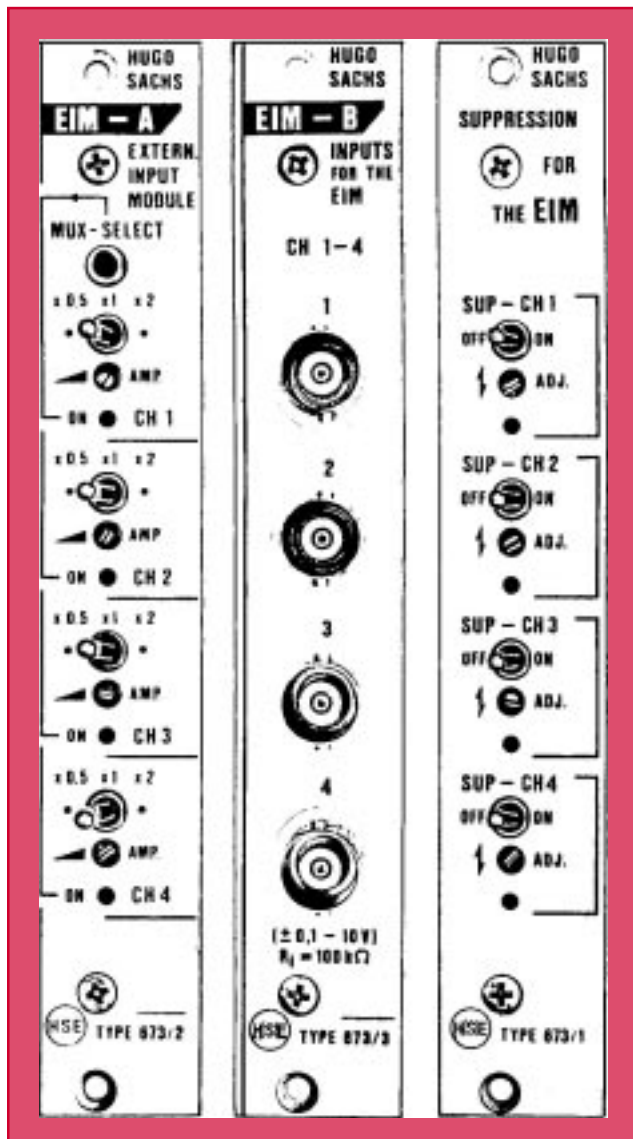


## HSE-Harvard External Input Module (EIM)

- For linking external equipment to the PLUGSYS system for connection to data acquisition hardware PLUGSYS version



The External Input Module is used for feeding external analogue signals into the PLUGSYS Measuring System, such as a flow signal from an external blood flowmeter, a force signal from an external bridge amplifier or distance signals measured using a sonomicrometer. The EIM consists of the two parts EIM-A (Adjust) and EIM-B (BNC).

The modules EIM-A and EIM-B are normally fitted in the PLUGSYS Mainframe from the front. With an optional board it is possible to install the module EIM-B on the rear to have more space on the front.

An optional suppression for the EIM module is available. This option is used to zero shift the input signal to blank out uninteresting parts of the signal, or for correcting offsets of an external amplifier.

### Specifications

|                               |   |
|-------------------------------|---|
| <b>Inputs</b>                 | 4 analog inputs through BNC sockets on module EIM-B   |
| <b>Gain</b>                   | From 0.25 to 100 adjustable by 10-turn trimmer together with range switch x0.5/x1/x2, corresponding to max. input voltage range of $\pm 0.1$ to $\pm 10$ V  |
| <b>Outputs</b>                | Through links on circuit board (jumpers) signal outputs are fed directly into bus distribution board of PLUGSYS measuring system  |
| <b>Signal Output MUX</b>      | After pressing MUX key, first input channel of EIM-B is switched to optional Digital Voltmeter Module (DVM), or a Display Module (DM); on pressing MUX key a second time, next channel is switched to display; function is self-maintained and module previously selected is switched off |
| <b>Power Supply</b>           | 5 V, 300 mA from PLUGSYS measuring system   |
| <b>Dimensions, H x W x D:</b> |   |
| EIM-A                         | 128.7 x 20.2 x 220 mm (5.1 x 1.6 x 8.7 in)  |
| EIM-B                         | 128.7 x 20.2 x 50 mm (5.1 x 1.6 x 2 in)   |
| Suppression                   | 128.7 x 20.2 x 100 mm (5.1 x 1.6 x 4 in)  |
| <b>PLUGSYS Width*:</b>        |   |
| EIM-A                         | 1 slot unit   |
| EIM-B                         | 1 slot unit   |
| Suppression                   | 1 slot unit   |
| <b>Connector</b>              | DIN 41612, 96-pin VG  |
| <b>Weight</b>                 | 0.25 kg (0.6 lbs)   |

| Catalog No. | Product   |
|-------------|---|
| CGS 8439.71 | EIM External Input Module (Contains Both EIM-A and EIM-B Modules) |
| CGS 8440.71 | Additional Board to Mount EIM-B at Rear                           |
| CGS 8441.71 | Suppression Module for EIM  |