

STP30W SUPERLAB SYSTEM FOR MP30**STP30 ISOLATED DIGITAL INTERFACE FOR THE MP30****STP30 Components**

- Isolated interface module
- 3-meter ribbon cable (37 pin F/F)
- SuperLab to MP30 interface cables (3)

NOTE: The STP30W SuperLab System and STP30 Isolated Digital Interface for MP30 were discontinued in November of 2018. For current offering, see [STP35W](#).

Users who already have SuperLab and the Digital I/O card with the Support Pack can use the STP30 interface to connect to the MP30 System. The STP30 interface connects between the SuperLab Digital I/O card and the BIOPAC MP30 acquisition unit.

The STP30 system provides 3 lines for digital data inputs; all lines are optically isolated to 1500 VDC compliance.

The STP30 system can also be used to connect digital signals (TTL compatible) from any mains powered external equipment to the MP30 when the system also connects to electrodes attached to humans.

Setup:

Use the 3-meter interface cables (SS44L) to connect the STP30 to the MP30, and use the 3-meter ribbon cable (37 pin F/F) to connect SuperLab to the STP30.

- 1) Unscrew the pin for Ground (GND D) on the STP30.
- 2) Unscrew the pin(s) for Input Port 8-15 on the STP30 for the required number of SuperLab channels.
- 3) Plug the Ground pin from the SS44L cable into the GND D port on the STP30.
- 4) Plug the signal pin from the SS44L cable into Input Port(s) 8-15 on the STP30 and note the port number(s) for SuperLab programming [Input 8 - SuperLab 0, Input 9 - SuperLab 1, etc.].
- 5) Plug the SS44L Smart Sensor into an available MP30 channel (CH) input.
- 6) If using multiple channels for SuperLab, repeat steps 3-5 but stack the ground pins into the GND of the first SS44L cable.