



MEDICAL INTERCONNECTION CE-M-JB30

The Medical Interconnection CE-M-JB30 has been developed by CHALCO ELEVEN LTD for Diving Complexes for emergency and routine cases. The System allows the user to connect medical equipment / sensitive sensors to and from inside the Chambers for Divers/Patients, O² Treatment Centres, special Research and Development Agencies. Medical equipment for Saturation or Air Diving Complexes can quickly and effectively be connected to inside the Chamber to monitor Divers or casualties for treatment.

This equipment can vary from basic internal / external body Sensors to ECG, Scanners or fully functional medical Oscilloscope. The Interconnection facility allows the user to connect special medical / sensitive equipment without signal loss or compromise on bandwidth or cross talk between its sensors, whether they contain 4-20mA signal or 0-10V and high band modulated equipment. The Interconnect has a specially designed Penetrator which can transmit and receive up to 15 signals simultaneously from various types of Sensors and Transmitters without degradation in its original signal. This is achieved by generating a high speciation Penetrator which is certified to Lloyds or DNV requirement of the individual Diving Complex.

The Interconnection of the CE-M-JB30 are compatible worldwide and will accept virtually all portable or semi-portable medical equipment. If requested, permanent medical equipment can be attached and left indefinitely. The specially designed Penetrator can accept current up to 6 amps per twisted pair for prolonged use. There are 15 individual channels incorporated in this 1" NPT Penetrator. This is standard penetration available on a Decompression Chamber. The Medical Interconnection is simple to use and can be easily implemented in to your existing Decompression Chambers (see above Block Diagram). It is normally incorporated in to one or two of your Decompression Chambers.

The System consists of three vital parts :
2 off Interconnect Medical Junction Boxes
1 off 30 Way Penetrator

The 2 Junction Boxes consist of :
6 off gold plated BNCs
6 off gold plated Terminal Posts
6 off Screw Terminals