

4-channel Laser Interlock Splitter INTLOCK7

Remote control of four laser equipments from one microscope



General Description

In most of the cases only one laser unit is connected to a microscope as a light source. In such default cases a simple connector wire between the Eyeport Interlock Switch of the microscope and the control port of the laser unit is enough. Laser Interlock Splitter equipment provides a possibility to control four laser units from the same microscope at the same time. In other words Laser Interlock Splitter equipment emulates the Eyeport Interlock Switch equally for all of the laser units.

The operation of the Laser Interlock Splitter neither disturbs the functionality of the microscope nor the software. Every setting and menu works on the usual way.

The active state of the interlock function (initiated by the microscope) is displayed on a front plate LED.

Laser Interlock Splitter equipment is supplied from a double isolated wall plug power supply. Furthermore there are independent optical coupling of extremely high isolation voltage (5000 Vrms) for all of the laser units. This way the laser units are electrically isolated from the microscope and from each other.

Specifications:

Optical coupling: isolation voltage is 5000 Vrms

Input and output connectors: 3.5 mm TRS (Tip Ring Sleeve) coaxial female jacks. The working pins are Tip and Ring, Sleeve is not connected

Nominal inactive signal at the input and outputs: open circuit between Tip and Ring

Nominal active signal at the input and outputs: short circuit between Tip and Ring

Real active signal at the Microscope Input: less than 30 Ohms

Real active signal at the Laser Outputs: less than 1 Ohm

Supply voltage: 6 to 20 VDC / 200 mA, any polarity

Power supply connector: 2.1 mm coaxial

Dimensions (W x H x D): 85 x 40 x 80 mm

Attention:

4-channel Laser Interlock Splitter equipment and its enclosed power supply unit have got CE identifier and certificate. Electrical safety measurements of proper operation of the 115/230 VAC mains electric system (from the equipments have been supplied) is the sole responsibility of the user.

Warranty:

Supertech Instruments gives you 5 years of full warranty for its electronic products against defects in materials or workmanship as long as the equipment has been subjected to normal and proper use. During this period, faulty products will be repaired or replaced free of charge provided they are returned to our workshop (postage paid by the Customer). Supertech Instruments will undertake the servicing and calibration after the expiration of the warranty period for a nominal fee.