

DS7A PSARP Constant Current Stimulator

Electrical Stimulation for Correction of Anorectal Malformation

Constant Current Stimulation



Re-useable and Disposable Probes



Digitimer DS7A PSARP

The Digitimer DS7A PSARP Muscle Stimulator is a variant of our FDA cleared* and MDD CE certified DS7A Constant Current Stimulator. It has been specially designed to meet the requirements of paediatric surgeons who need a reliable and easy to use muscle locating stimulator when carrying out the Peña, "Pull-through" or posterior sagittal anorectoplasty (PSARP) anorectal reconstruction technique.

* The DS7A PSARP is not currently FDA cleared and is not for sale within the USA.

- Features Include:-**
- Simple Controls.
 - Fixed Stimulus Frequency (50Hz).
 - 0-100mA Constant Current Output.
 - 100V Compliance Voltage.
 - 200µs or 500µs Pulse Durations.
 - Compatible with reusable or disposable bipolar probes.
 - Optional footswitch for improved control.
 - CE Certified Medical Device.

Footswitch
This footswitch is a medical grade foot switch that is sealed to IP68 so as to meet all the requirements of EN 60601 for use within operating theatres.
Part code: D185-FS1



Disposable Precision Bipolar Stimulation Probe
Available in packs of 10 probes, the Neurosign Precision Bipolar Probe is an ideal single-use alternative to the Re-useable Bipolar Stimulation Probe. The probes are fitted with 1.5mm DIN 42 802 connectors and need to be used in conjunction with our 2m long D185-HB4-2m Output Extension Cable.
Part code: G.3604-00



Re-useable Bipolar Stimulation Probe
The probe is a 17cm long re-useable probe with a pair of gold-plated 0.8mm diameter tips, separated by 1.8mm. The probe is connected to the stimulator via a 260cm long cord which terminates in a pair of 4mm touch proof connectors compatible with the DS7A PSARP stimulator. The probe is supplied non-sterilised and should be cleaned and EtO sterilised according to the manufacturer's instructions before use. Instructions are provided with each probe and are available from Digitimer upon request.

Part code: G.PS2-P



The distal end of the D185-HB4-2m extension cable (pictured left) features a pair of 1.5mm DIN 42802 sockets, compatible with the plugs fitted to the disposable Precision Bipolar Probe.

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Specifications

Power:	Push rod On/Off switch.
Pulse Duration:	LO (200µs) or HI (500µs), two position rotary switch.
Current:	0-100mA, continuously adjustable dial.
Compliance Voltage:	100V.
Output Frequency:	50Hz.
Output Enable:	Toggle Switch (On is Up, Off/Reset is down)*.
Output Connections:	4mm shrouded, touch-proof sockets (red and black) on 3/4" centres.
Footswitch Connection	Rear Panel 1/4" mono jack socket (for optional D185-FS1 Contact Closure Footswitch).

Front Panel Indicators

Power:	Green LED, illuminated for power ON.
Trigger:	Amber LED, illuminated to indicate stimulus trigger is active.
Compliance:	Amber LED, illuminated if the compliance limit is reached i.e the current requested cannot be delivered (e.g. due to high resistance between probe tips).
Reset/Fault:	Red LED illuminated and latched for sensed over current and at power on.

Other

Power:	100-120V or 200-240V (externally selected), 47-63Hz, 12VA.
Classification:	Class 1 with Type BF applied part.
Safety:	EN 60601:2006.

* When used with a D185-FS1 Footswitch, the toggle switch "arms" the stimulator and the footswitch activates the stimulus when pressed.

Installation

Our products do NOT need installation by Digitimer personnel as they are supplied with comprehensive instructions and are easy to set up & operate. However, in the event that you are required to have a DS7A PSARP installed by Digitimer, this will be a chargeable service, the cost of which is determined by the geographical location of the installation. For an estimate of installation costs, please contact us.

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