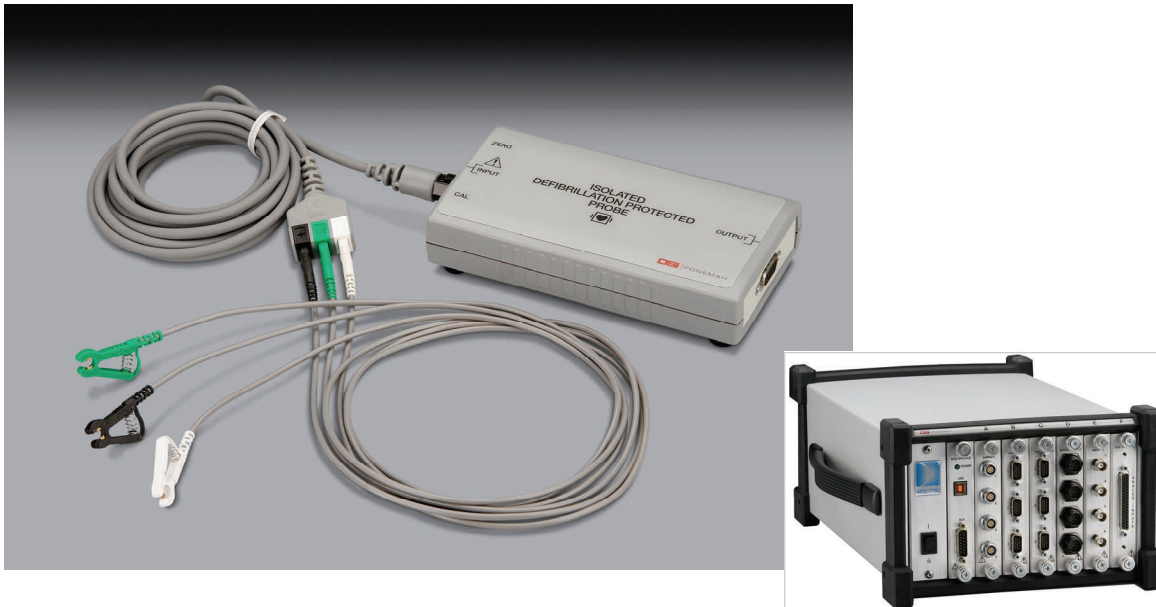


7700 Series Isolated/Defibrillation Protected ECG



Features

- **3 Lead ECG connection with an array of electrodes**
- **Provides galvanic isolation to the signal conditioner**
- **Protects signal conditioner from defibrillator discharges**
- **Built-in “Zero” and “Cal” buttons for ease in calibrating channel**

The Universal Signal Conditioner Isolated Defibrillation Protected ECG Probe and the Universal XE Signal Conditioner Isolated Defibrillation Protected ECG Probe are designed to conduct pre-clinical studies and investigation (clinical research) of physiological processes. The probe is suitable for intra-cardiac or surface electrodes and interfaces with the appropriate 7700 Series Signal conditioner. The 7700 Series Universal and Universal XE Signal conditioner utilize a graphical user interface for configuration. Within this interface, an additional Probe Only filter setting is available. Additionally, built-in Zero and Cal buttons provide for a simple, accurate calibration process.

Technical Data Sheet

Model 13-7758-IDP or 13-7759-IDP

Isolated/Defibrillation Protected ECG Probe

SPECIFICATIONS

Electrical Specifications

Gain x10
 Maximum Output Range ±1VDC
 Input Leads RA, LA, RL (+, -, REF)
 Dynamic Range ±100mV
 Maximum input DC offset ±300mV
 Input Impedance ≥ 30MΩ @ 10Hz when using fully shielded cable (ConMed FSR 397 with patient cable and lead wires).

CMRR

≥ 90dB @ 60Hz with 51kΩ,
 0.047uF source imbalance
 Input Risk Current < 10μA @ 265V RMS 60Hz, sink all leads to ground

Defibrillator Protection Isolation

360Joules delivered at 5000Volts
 > 1500V RMS for 1 minute, isolated circuits to chassis

Noise

<30μV p/p @ 1kHz
 Amplitude Inaccuracy ±5%
 Bandwidth 0.05 to 1.6kHz

Physical Specifications

Height 1.2 inches
 Width 3.1 inches
 Length 5.9 inches
 Weight 0.5 pounds

Environmental Specifications

Temperature
 Operating 0 to 40° C
 Storage 20 to 70° C

Humidity RH, non-condensing

Operating 10% to 95%
 Storage 5% to 95%
 Cooling Convection only
 Altitude 2000 meters maximum

ORDERING INFORMATION

Part Number

13-7758-IDP
 13-7715-58

Description

Iso/Defib Protected ECG Probe
 ACQ-7700 Universal Signal Conditioner (Required)

Accessories

P02144-1 15 Pin HD M/F 2.5ft cable
 274-7004-001 Subdermal Needle Electrodes 27 GA, 6MM, 6ft/1.8m, Sterile (quantity 25)

P02141

ECG Cable Kit (Contains the following 5 items)

P02173-3

3 Lead Input Cable

P02143-2

Grabber Lead Wire, set of 3

P02143-3

Banana Lead Wire, set of 3

P02143-4

Banana to CLIP Adapter, 3 each

P02143-5

0.80 Receptacle Lead Wire, set of 3

OR

Part Number

13-7759-IDP
 13-7715-59

Description

Iso/Defib Protected ECG Probe
 ACQ-7700 Universal XE Signal Conditioner (Required)

Accessories

J03589 Cable Universal XE to ISO POD
 274-7004-001 Subdermal Needle Electrodes 27 GA, 6MM, 6ft/1.8m, Sterile (quantity 25)

P02141

ECG Cable Kit (Contains the following 5 items)

P02173-3

3 Lead Input Cable

P02143-2

Grabber Lead Wire, set of 3

P02143-3

Banana Lead Wire, set of 3

P02143-4

Banana to CLIP Adapter, 3 each

P02143-5

0.80 Receptacle Lead Wire, set of 3

DSI products are not intended for the purposes of diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, or used as a life support device. Use of DSI products are solely for the purposes of conducting life science research.