



Technical Specifications

Type identification

HI-PRO 2 is type 1072 from Natus Medical Denmark ApS.

PC Interface

The serial USB (Universal Serial Bus) port is used for communication between a PC and the HI-PRO 2 unit.

Communication	USB 2.0 full Speed (USB 1.1 compatible)
USB Connector Type	"Type B" connector (on the HI-PRO 2 unit)

Power Supply

The HI-PRO 2 unit is powered from the PC USB port.

Rated Voltage	4.50V - 5.25V
Maximum Current Consumption (active)	< 500 mA (2.5 W)
Power Consumption during USB Suspend	< 500 μ A (2.5 mW)

Operating system

Windows XP Pro SP3, Windows 7b (32 and 64 bit), Windows 8 (32 and 64 bit), Windows 10

Product Lifetime

The estimated lifetime of the HI-PRO 2 unit is 5 years.

Essential performance

HI-PRO 2 has no essential performance.

Standards

Safety	IEC 60601-1:2005+AMD1:2012
	EN 60601-1:2006+A1:2013
	ANSI/AAMI ES60601-1:2005 + A1:2012
	CAN/CSA-C22.2 NO. 60601-1:14
EMC	IEC 60601-1-2:2007
	EN 60601-1-2:2007
	IEC 60601-1-2:2014
	EN 60601-1-2:2015

Systems	IEC 60601-1:2005+AMD1:2012 EN 60601-1:2006+A1:2013
Hearing Instrument Interface	IEC 60118-14:1998 EN 60118-14:1998

To comply with the above standards, the programming cable and the connector to the hearing instrument must meet the following requirements:

- No conductive parts may be accessible when the programming cable is connected to HI-PRO 2 unit.
- The programming cable and the connector must provide double isolation and be able to withstand a dielectric strength test potential of 500 V.

Output ratings

The following output ratings are valid for Left and Right hearing instrument connectors.

Fixed Battery supply (pin1), common for Left and Right side	1.35V, 10/50 mA (current rating is controlled by fitting software)
Programmable battery supply (pin5), common for Left and Right side	-3.50 V to +3.50 V, 30 mA (voltage is controlled by fitting software)

Operating environment

Temperature	+5°C to +40°C (41°F to +104°F)
Rel. humidity	30 to 90%, non-condensing
Warm-up time	< 20 seconds.
Air pressure	600 hPa to 1060 hPa

Operation at temperatures below -20°C or above +60°C may cause permanent damage.

Storage and handling

Temperature	-20°C to +60°C (-4°F to +140°F)
Rel. humidity	< 90 %, non-condensing
Air pressure	500 hPa to 1060 hPa

Dimensions and Weight

Size (L x W x H)	137 mm x 114 mm x 37 mm (5.39 inch x 4.49 inch x 1.46 inch)
Net weight	230g (0.43 lb)