

DI 090220-BI-OI : Airstar 2.0 Air stimulator



Reference: 00017485

Description:

DI 090220-BI-OI : Airstar 2.0 Air stimulator, dual power, with otoscope head

Alternative products:

Ref.	Description
00017473	DI 090120-230-I : Aquastar 2.0 Water stimulator
00017481	DI 090320-230-I : Coolstar 3.0 Air stimulator

The caloric stimulator

The Airstar air caloric stimulator is a medical device manufactured in Belgium by Instrumentation Difra SA. The air caloric stimulator is a device that delivers a stream of air to the ear canal at controlled rates of flow and temperature and that is intended for vestibular function testing of a patient's body balance system. The vestibular stimulation of the semicircular canals produce involuntary eye movements.

Airstar

The Airstar offers lots of possibilities for caloric testing: easy to use, high precision temperature regulation. The handle is equipped with an otoscope head where a disposable ear tips can be fixed for easy management of hygiene. The otoscope handle provides also a magnifying glass and integrated light to inspect the ear canal and the tympanic membrane without obstructing the stimulation. Airstar is ideal when water can not be used for stimulation (tympanic membrane perforation,

...) or when water inlet and outlet are not available in the examination room.

Setting up the temperature

Temperature is selected by a simple rotary switch, each of its four positions allowing a temperature preset configurable. Each temperature can be adjusted up to 48°C, by 0,2°C step. By default, values are 27°C, 30°C, 44°C and 47°C. Temperature is reached within 180s from startup or from any other temperature. A large display indicates the actual temperature.

Setting up the stimulation time

An internal chronometer offers through a second rotary switch the possibility to select the stimulation time. Five stimulation times are available: 40, 60, 80, 100 and 120s from a simple rotation of the switch. Visual indications on the display and sound indications will help the examiner to run the caloric testing easily and precisely. Over the stimulation period, the reaction period and the fixation period will be delimited by those visual and sound indications.

Technical specifications

- Input voltage selectable: 115V/60Hz-230V/50Hz
- Warm air caloric stimulator
- Minimal temperature reachable: 5°C over the ambient temperature
- Maximal temperature reachable: 48°C
- Air flow: fixed, from 10 to 13l/min, without ear tip
- Timer
- Size: 310 x 345 x 115 mm (W x P x H)

Airstar meets EN 60601-1 and European Directive 93/42/EEC and is certified by SGS Belgium NV, Notified Body 1639

Ver. 1.1 - Oct. 2019

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