

## TSD203 – ELECTRODERMAL RESPONSE TRANSDUCER

The TSD203 is a set of two Ag-AgCl electrodes, which incorporate molded housings designed for finger attachment. The TSD203 is used when measuring the electrodermal response. Each transducer includes a stretchable Velcro® strap for easy attachment.

Connectors:

Red heat shrink tubing = Vin+

White heat shrink tubing = Vin-

Black lead = GND

When the TSD203 is used to measure electrodermal response, the choice of electrolyte is extremely important. A higher impedance electrolyte using hyposaturated electrolyte concentrations of Cl<sup>-</sup> (on the order of physiological levels) is necessary for effective monitoring of local eccrine activity.

Use GEL101A as an isotonic, hyposaturated, conductant with the TSD203 EDR transducer. Trace conductive parts (metal parts) do not make contact to the subject. TSD203 is not recommended for MRI use.

### *Storing and Cleaning*

1. Store the transducer in a clean, dry area.
2. After use, clean the transducer with cold to tepid water.
  - a) DO NOT use hot water.
  - b) Cotton swabs are suggested.
  - c) Let the transducer dry completely before storing it.
3. DO NOT allow transducers to come in contact with each other during storage (adverse reaction could occur).
4. Transducers may form a brown coating if they have not been used regularly. To remove the coating, gently polish the surface of the transducer element with non-metallic material or wipe it with mild ammonium hydroxide. Rinse with water and store the transducer in a clean, dry container.

**Warning!** Use of a Waterpik® or similar jet will drastically shorten the life of these electrodes and is not recommended.

## TSD203 SPECIFICATIONS

Electrode Type: Ag-AgCl (unpolarizable)

Attachment: integral Velcro strap

Contact area: 6 mm (dia)

Sterilizable: Yes, contact BIOPAC

Cable length: 3 m

Interface: EDA100C

Dimensions (LxWxH each): 16 mm x 17 mm x 8 mm

TEL100C compatibility: SS3A

## TSD203 CALIBRATION

See the EDA100C transducer module.