

Instructions for Use

800 Series Multi-site 'Y' Pulse Oximetry Sensors

Intended Use

This compatible replacement Multi-site 'Y' pulse oximetry sensor is for use when continuous non-invasive arterial oxygen saturation and pulse rate monitoring are required for patients weighing greater than 3kg. They are fully compatible replacement sensors intended for use with major brands of pulse oximeters and patient monitors.

The Multi-site 'Y' sensor can be secured to the sensor site by the use of adhesive or foam wraps. Alternatively the sensor can be sited on the ear lobe and secured with an ear clip.

Instructions for use

Multi-site 'Y' sensors may be used on the same site for a maximum of 4 hours, provided the site is inspected routinely, to ensure skin integrity, correct positioning and adhesion of the sensor wrap.

1. Match the sensor to your brand of oximeter or patient monitor.
2. Select the sensor site on the patient (see below for the preferred sensor sites).
3. Apply the sensor to the patient, positioning the emitter and detector directly opposite each other.
4. Secure the sensor using an adhesive or foam wrap.
5. Connect the sensor cable to the adaptor cable that is suitable for your oximeter or patient monitor. Then switch on the oximeter and verify proper operation.
6. Visually monitor the sensor site to ensure the integrity of the skin.
7. Secure the lead with medical tape.

Infant

Place the sensor around the big toe with the cable positioned along the side of the infant's foot.

Paediatric

Place the sensor around an index finger with the cable positioned along the medial side of the finger. Alternatively use a thumb, smaller finger or big toe.

Adult

Place the sensor around an index finger with the cable positioned along the medial side of the finger. Alternatively use a thumb, smaller finger or big toe.

Note: When selecting a site, priority should be given to an extremely free of an arterial catheter, blood pressure cuff or intravascular line.

Cleaning

Do not expose the connector end to the solution as this may cause damage to the sensor. Do not sterilise by irradiation, steam or ethylene oxide. Do not autoclave the sensor. The sensor may be cleaned with a 70% isopropyl alcohol solution.

Wipe Method

1. Wipe all surfaces of the sensor and cable with a clean cloth dampened in the isopropyl solution.
2. Wipe all surfaces of the sensor and the cable with a clean cloth dampened in sterile or distilled water.
3. Dry all surfaces of the sensor and cable with a dry clean cloth.

Soak Method

1. Immerse the sensor head and required length of cable into the cleaning solution.
2. Soak the sensor and cable for 10 minutes.
3. Remove from the cleaning solution and place in sterile or distilled water for 10 minutes.
4. Remove from the water and clean the sensor and cable with a dry clean cloth.

Warnings

Match the sensor model with your brand of oximeter. An incorrect match may cause patient injury, inaccurate measurements or equipment damage. Check the sensor and reposition to an alternative location every 4 hours. Avoid application of the sensors to: edematous or fragile tissue, excessive patient motion, excessive ambient light, electromagnetic interference, dysfunctional hemoglobin, low perfusion, intravascular dyes, finger nail polish and long or artificial finger nails which may affect the sensor performance and the accuracy of the measurement. Do not use the sensor if it is damaged. Use of a damaged sensor could cause patient injury or equipment failure. Not for use within MRI scanning suites.

Refer to the instruments operator's manual for complete instructions for use of the sensor with the pulse oximeter or patient monitor.

Disposal

Follow local regulations governing disposable recycling plans regarding disposal or recycling of device components. A list of component materials is available by contacting Viamed Ltd.



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Model	Compatible oximeter manufacturer	Cable length		Connector type
		Feet	Metres	
P856YA	Nellcor	3	0.90	9 pin D'
P857YA	Spacelabs	10	3.00	12 pin Hypertronics
P858YA	Nellcor	12	3.65	9 pin D'
P859YA	Pace Tech	12	3.65	Switchcraft, 5 way
P860YA	Simed, Baxter	12	3.65	9 pin Hypertronics
P861YA	BCI	3	0.90	9 pin D'
P864YA	Datascope	12	3.65	8 pin DIN
P866YA	Simed, Baxter	12	3.65	9 pin Hypertronics
P867YA	Ohmeda	12	3.65	9 pin Hypertronics
P869YA	Criticare	3	0.90	9 pin D'
P871YA	Nonin	3	0.90	9 pin D'
P873YA	Datex	3	0.90	9 pin D'
P875YA	Novamatrix	10	3.00	7 pin Hypertronics
P876YA	Novamatrix	10	3.00	7 pin Hypertronics
P878YA	Invivo	10	3.00	7 pin Lemo
P886YA	Kontron	12	3.65	12 pin DPK1 (maroon)
P887YA	Spacelabs	10	3.00	12 pin Hypertronics
P888YA	S & W	12	3.65	SPK1 (purple), 10 way
P892YA	Marquette	10	3.00	11 pin Marquette
P896YA	S&W	12	3.65	SPK1-N (pink), 10 way



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