



# TruSignal sensors and cables for GE SpO<sub>2</sub> measurement

Delivering exceptional oximetry performance

TruSignal™ sensors and interconnect cables are intended for use in continuous non-invasive arterial oxygen saturation (SpO<sub>2</sub>) and pulse rate monitoring. The sensors and cables are designed and tested to help ensure patient comfort, and to help clinicians make better care decisions.

TruSignal sensors and interconnect cables are backwards compatible with Datex, Ohmeda and GE SpO<sub>2</sub> technologies.<sup>1</sup>

## Features

- Connector design and high-quality cable materials make cables resistant to fraying and kinking
- Both cables and sensors are drip proof as well as able to withstand frequent disinfections
- Connectors are small and easy to operate and cables are durable and flexible
- Sensors and cables are not made with natural rubber latex or known environmental contaminants

Our equipment.  
Our accessories.  
Simply compatible.

You can trust GE Healthcare accessories and consumables to keep your clinical devices working efficiently.

- Simplified ordering process
- Fast delivery
- One contact point for expert advice
- Quality support at every step

<sup>1</sup> For more information about interconnect cables' compatibility, please see GE SpO<sub>2</sub> TruSignal Compatibility sheet DOC0710534

## PRODUCT SPECIFICATIONS

### Product Use

GE Healthcare offers TruSignal cables and sensors as reusable or single-patient-use. Disposable sensors do not have a shelf life.

IPX Rating: TS-SA-D and TS-SP-D are IPX7 while all others are IPX2.

### Materials

Reusable Cables:	Polyurethane (PU), Thermoplastic Polyurethane (TPU), Polycarbonate (PC)
Disposable Sensors Single-patient-use:	Polyethylene (PE) Foam, Vinyl, Biaxially Oriented Polypropylene (BOPP), Fabric Tape, Polyvinyl Chloride (PVC - only in TS-AP, TS-AAW and TS-PAW)
Reusable Sensors:	PU, Polybutylene Terephthalate (PBT), Thermoplastic Elastomers (TPE), TPU Silicone Rubber
Integrated Reusable Sensors:	PU, PBT, TPE, TPU Silicone Rubber
Attachment Accessories:	Velcro, PE Foam, Fabric Tape

### Materials composition

Not made with BPA, DEHP, natural rubber latex or other phthalates. PVC only present in TS-AP, TS-AAW and TS-PAW.

### Operating Environment

Temperature:	-40° to 60°C (-40° to 140°F)
Humidity:	5% to 95%
Pressure:	70 kPa to 106 kPa

### Storage

Temperature:	-40° to 60°C (-40° to 140°F)
Humidity:	5% to 95%
Pressure:	70 kPa to 106 kPa Sterility

### Sterility

The TruSignal Sensors and Cable are supplied non-sterile

## Cleaning Solutions

1. Clean the lenses and the sensor before and after each patient with 60% isopropyl or 90% ethyl alcohol.
2. For cable and connector, when needed spray or wipe with pad moisturized with 60% isopropyl or 90% ethyl alcohol or 2% glutaraldehyde. Although discoloration may occur, <2% phenol, <5% chloramine, <10% sodium hypochlorite, <0.3% formaldehyde, <0.75% tartaric acid or <5% quaternary ammonium compounds may be used.
3. Let dry completely before use.

### Disposal considerations

Dispose as clinical waste, in accordance with hospital policy, local guidelines and regulations.

### Packaging materials

TruSignal packaging is made from up to 20% recycled materials

Sensor Package:	Cardboard
Cable Package:	PE

### Compliance





RoHS (Restriction of Hazardous Substances) compliant  
REACH compliant  
CE Mark

### Product Compatibility





- CS ONE, V100, VC150, B1x5
- TruSignal Sensors and Interconnect Cables are backwards compatible with Datex, Ohmeda and GE SPO<sub>2</sub> technologies
- Legacy:
  - E-PRESTN Module family (E-PRESTN, E-RESTN)
  - E-PSM module family (E-PSM, E-PSMP, E-PSMW, E-PSMPW),
  - PROCARE B20 and B40 with GE SpO<sub>2</sub> option,
  - Responder 2000 with Ohmeda option,
  - TuffSat
  - 3775/3800/3900/3900P/4700/5250 respiratory gas monitors,
  - Cardiicap/5 with N-XOSAT option,
  - S/5, AS/3, CS/3 Modular monitors with M-OSAT module
  - S/5, AS/3, CS/3 Modular monitors with M-series module (M-NE12STPR, M-NESTPR, M-ESTP, M-PRESTN),
  - Cardiicap/5, Cardiicap II,
  - Capnomac Ultima
  - S/5 Light Monitor

## PART LIST

### Interconnect cables

	Reference code	Product	Package size	Length	Patient weight
	TS-G3	TruSignal interconnect cable with GE connector	1	3 m (10 ft)	No limit
	TS-M3	TruSignal interconnect cable with TruSat™ connector	1	3 m (10 ft)	No limit
	TS-H3	TruSignal interconnect cable with Ohmeda connector	1	3 m (10 ft)	No limit
	TS-N3	TruSignal interconnect cable with Datex connector	1	3 m (10 ft)	No limit

### Disposable sensors (Requires compatible interconnect cable)

	Reference code	Product	Package size	Length	Patient weight	Patient type
	TS-AF-10	TruSignal AllFit sensor	10	0.5 m (1.7 ft)	No limit	Adult, pediatric, infant, neonate
	TS-AF-25	TruSignal AllFit sensor	25	0.5 m (1.7 ft)	No limit	Adult, pediatric, infant, neonate
	TS-AP-10	TruSignal Adult/Pediatric sensor	10	0.3 m (1 ft)	≥20 kg (≥44 lb)	Adult, pediatric
	TS-AP-25	TruSignal Adult/Pediatric sensor	25	0.3 m (1 ft)	≥20 kg (≥44 lb)	Adult, pediatric
	TS-AAW-10	TruSignal Adult Adhesive Wrap sensor	10	0.3 m (1 ft)	>20 kg (>44 lb)	Adult
	TS-AAW-25	TruSignal Adult Adhesive Wrap sensor	25	0.3 m (1 ft)	>20 kg (>44 lb)	Adult
	TS-PAW-10	TruSignal Pediatric Adhesive Wrap sensor	10	0.3 m (1 ft)	3-20 kg (6.6-44 lb)	Pediatric, infant
	TS-PAW-25	TruSignal Pediatric Adhesive Wrap sensor	25	0.3 m (1 ft)	3-20 kg (6.6-44 lb)	Pediatric, infant

## Reusable sensors (Requires compatible interconnect cable)

	Reference code	Product	Package size	Length	Patient weight	Patient type
	TS-F-D	TruSignal Finger sensor	1	1 m (3.3 ft)	≥20 kg (44 lb)	Adult, pediatric
	TS-E-D	TruSignal Ear sensor	1	1 m (3.3 ft)	≥10 kg (22 lb)	Adult, pediatric
	TS-W-D	TruSignal Wrap sensor	1	1 m (3.3 ft)	≥3 kg (6 lb)	Adult, pediatric, infant
	TS-SE-3	TruSignal Sensitive Skin sensor	3	1 m (3.3 ft)	No limit	Adult, pediatric, infant, neonate
	TS-SA-D	TruSignal FingerTip sensor	1	1 m (3.3 ft)	>30 kg (66 lb)	Adult
	TS-SP-D	TruSignal PediTip sensor	1	1 m (3.3 ft)	15-30 kg (33-66 lb)	Pediatric

## Integrated Reusable Sensors

	Reference code	Product	Quantity	Length	Patient weight	Patient type
	TS-F2-GE	TruSignal Integrated Finger senso with GE Connectorr	1	2 m (6.6 ft)	≥20 kg (44 lb)	Adult, pediatric
	TS-F4-GE	TruSignal Integrated Finger sensor with GE Connector	1	4 m (13 ft)	≥20 kg (44 lb)	Adult, pediatric
	TS-F1-H	TruSignal Integrated Finger sensor with Ohmeda Connector	1	1 m (3.3 ft)	≥20 kg (44 lb)	Adult, pediatric
	TS-F4-N	TruSignal Integrated Finger sensor with Datex Connector	1	4 m (13 ft)	≥20 kg (44 lb)	Adult, pediatric
	TS-SA4-GE	TruSignal Integrated FingerTip sensor with GE Connector	1	4 m (13 ft)	>30 kg (66 lb)	Adult
	TS-SP3-GE	TruSignal Integrated PediTip sensor with GE Connector	1	3 m (10 ft)	15-30 kg (33-66 lb)	Pediatric
	TS-E2-GE	TruSignal Integrated Ear sensor with GE Connector	1	2 m (6.6 ft)	≥10 kg (22 lb)	Adult, pediatric
	TS-E4-GE	TruSignal Integrated Ear sensor with GE Connector	1	4 m (13 ft)	≥10 kg (22 lb)	Adult, pediatric
	TS-E4-H	TruSignal Integrated Ear sensor with Ohmeda Connector	1	4 m (13 ft)	≥10 kg (22 lb)	Adult, pediatric
	TS-E4-N	TruSignal Integrated Ear sensor with Datex Connector	1	4 m (13 ft)	≥10 kg (22 lb)	Adult, pediatric

## Accessories

Reference code	Product	Size	Weight range	Use with	Quantity
TS-RTW-100	Wide adhesive replacement tape	--	No limit	Wrap, Sensitive Skin or AllFit sensor	100
TS-RWL-24	Foam wrap replacement	Large	No limit	Wrap sensor	24
TS-RWM-24	Foam wrap replacement	Medium	No limit	Sensitive Skin sensor	24
TS-RWS-24	Foam wrap replacement	Small	No limit	Sensitive Skin sensor	24
TS-RTB-100	Replacement adhesive tape (bears)	--	No limit	AllFit sensor	100
TS-RT-100	Replacement adhesive tape (blue)	--	No limit	AllFit sensor	100
TS-SND-3	Infant foam sandal	--	2 to 7.7 kg (4.4 to 17 lb)	Sensitive Skin sensor	3
TS-HB-3	Replacement Headband	--	No limit	Ear sensor	3

Product may not be available in all countries and regions. Full product technical specification is available upon request. Contact a GE Healthcare Representative for more information. Please visit [www.gehealthcare.co.uk](http://www.gehealthcare.co.uk)

Data subject to change.

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JB03963XE Rev6 04/21