Description of Device.

Generic name of device: Pulse Oximetry

Model name: Finger Probes - Various

Model number: 0018000 Series

Brief description of device and other devices designed to be used in combination with it:

This is a family of similar products manufactured to replace the original manufacturers product.

Components have been carefully chosen to match the original manufacturers specification.

The SpO2 Finger Probe is recommended for short term SpO2 monitoring on pediatric and adult patients. Pulse Oximetry measures both: arterial oxygen saturation (SpO2), and pulse rate without skin penetration, electrical contact, or heat transfer.

Finger Probes are a "re-usable clip-on sensor" with the optical components protected in a hard plastic casing. The Probes consist of three optical components, two light sources and a detector. The light sources are two light emitting diodes (LED), one Red (640 – 680 nm) and one Infrared (940 – 98 nm). The detector is a Photodiode, which is an electrical device that produces a current proportional to the incident light intensity.

SpO2 Finger Probes connect between the patient and a Pulse Oximeter.

Flexible Probes:

This Probe consists of electronic parts identical to the Finger Probes, but they are packaged in a bi-forcated cable. They use the same connectors.

Disposable Probes also use the same electronic parts, but are mounted in a low cost package to enable the product to be used once only.
They consist of a cable and connector, with a detector assembly and a LED assembly, soldered to the other end. This assembly, lying flat, is attached to a bandage assembly over the two components. This assembly can then be taped to the patient's finger, toe, heel etc. The bandage precludes the reuse of the sensor due to loss of adhesion and patient contamination.

Extension Cables are supplied, where required, to enable the sensor to reach the patient / monitor. Extension cables have no electronic components, but are two connectors enabling the probe connector to be extended to the monitor.

Description of Device.

Generic name of device: Pulse Oximetry

Model name: Finger Probes & Extension Cables - Various

Model number: 0018000 / 0019000 Series'

Brief description of device and other devices designed to be used in combination with it:

This is a family of similar products manufactured to replace the original manufacturers product.

Components have been carefully chosen to match the original manufacturers specification.

The SpO2 Finger Probe is recommended for short term SpO2 monitoring on pediatric and adult patients. Pulse Oximetry measures both: arterial oxygen saturation (SpO2), and pulse rate without skin penetration, electrical contact, or heat transfer.

Finger Probes are a "re-usable clip-on sensor" with the optical components protected in a hard plastic casing. The Probes consist of three optical components, two light sources and a detector. The light sources are two light emitting diodes (LED), one Red (640 – 680 nm) and one Infrared (940 – 98 nm). The detector is a Photodiode, which is an electrical device that produces a current proportional to the incident light intensity.

SpO2 Finger Probes connect between the patient and a Pulse Oximeter.

Flexible Probes:

This Probe consists of electronic parts identical to the Finger Probes, but they are packaged in a bi-forcated cable. They use the same connectors.

Disposable Probes also use the same electronic parts, but are mounted in a low cost package to enable the product to be used once only.
They consist of a cable and connector, with a detector assembly and a LED assembly, soldered to the other end. This assembly, lying flat, is attached to a bandage assembly over the two components. This assembly can then be taped to the patient's finger, toe, heel etc. The bandage precludes the reuse of the sensor due to loss of adhesion and patient contamination.

Extension Cables are supplied, where required, to enable the sensor to reach the patient / monitor. Extension cables have no electronic components, but are two connectors enabling the probe connector to be extended to the monitor.

VIAMED

Device Description

This is a family of similar products manufactured to replace the original manufacturers product.

Components have been carefully chosen to match the original manufacturers specification.

The MCI SpO_2 Finger Probe is recommended for shorterm SpO_2 monitoring on paediatric and adult patients. Pulse oximetry measures both arterial oxygen saturation (SpO_2) and pulse rate without skin penetration, electrical contact, or heat transfer.

MCI Finger Probes are a reusable clip-on sensor with the optical components protected in a hard plastic casing. The probes consist of three optical components, two light sources and a detector. The light sources are two light emitting diodes (LED), one Red (640-680 nm) and one Infrared (940-980 nm). The detector is a photodiode, which is an electrical device that produces a current proportional to the incident light intensity.

MCI. SpO_2 Finger Probe connects between the patient and a Pulse Oximeter

Flexible Probes

This probe consists of electronic parts identical to the finger probes but they are packaged in a bi-forcated Y cable. They use the same connectors.

Disposable probes also use the same electronic parts but are mounted in a low cost package to enable the product to be used once only.