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sense and simplicity

RADIOMETER R

IntelliVue TcG10 Sales Training
November 2011

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IntelliVue TcG10

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IntelliVue TcG10 – Key Benefits

- State of the art TC-Gas solution with integrated and automated calibration supporting clinical workflow

- Improved, enhanced algorithms for use in Neonate, Pediatric, Adult patients

- Smaller sensor, lower temperatures, easier to apply

- Configuration choices in IntelliVue Monitor

- Integration into the IntelliVue patient monitor via IntelliBridge

- Self contained cal gas

- Standardized mounting solutions

New IntelliVue TcG10 Solution - Description

- TcGas measures continuous transcutaneous partial pressure of O_2 and CO_2 in neonate, pediatric, and adult

- Compliments a discreet Arterial Blood Gas measurement

- The IntelliVue TcG10 is connected to the host monitor via the IntelliBridge EC10 module.

- The IntelliVue TcG10 is compatible with IntelliVue monitors MP40-90, MX700/800 with software Rev. H or higher, and use IntelliBridge modules
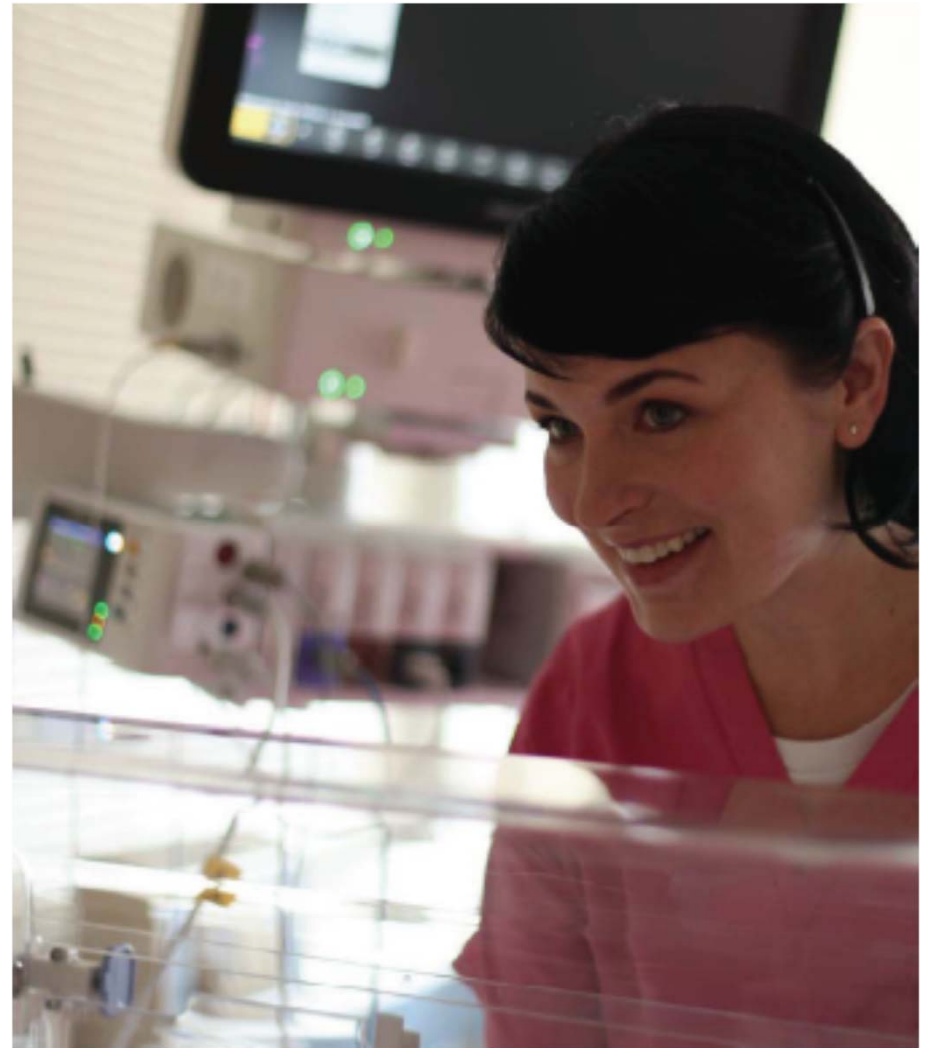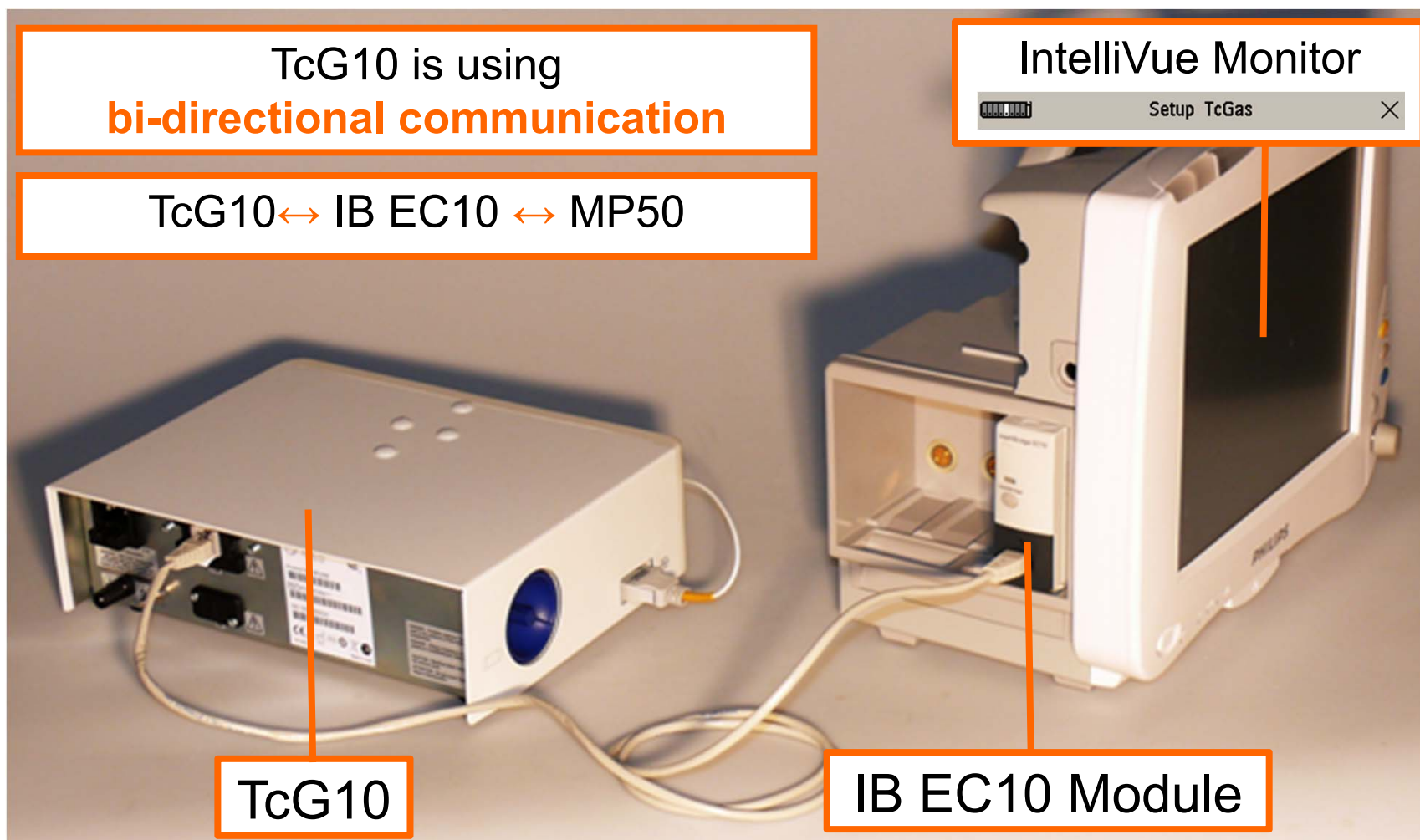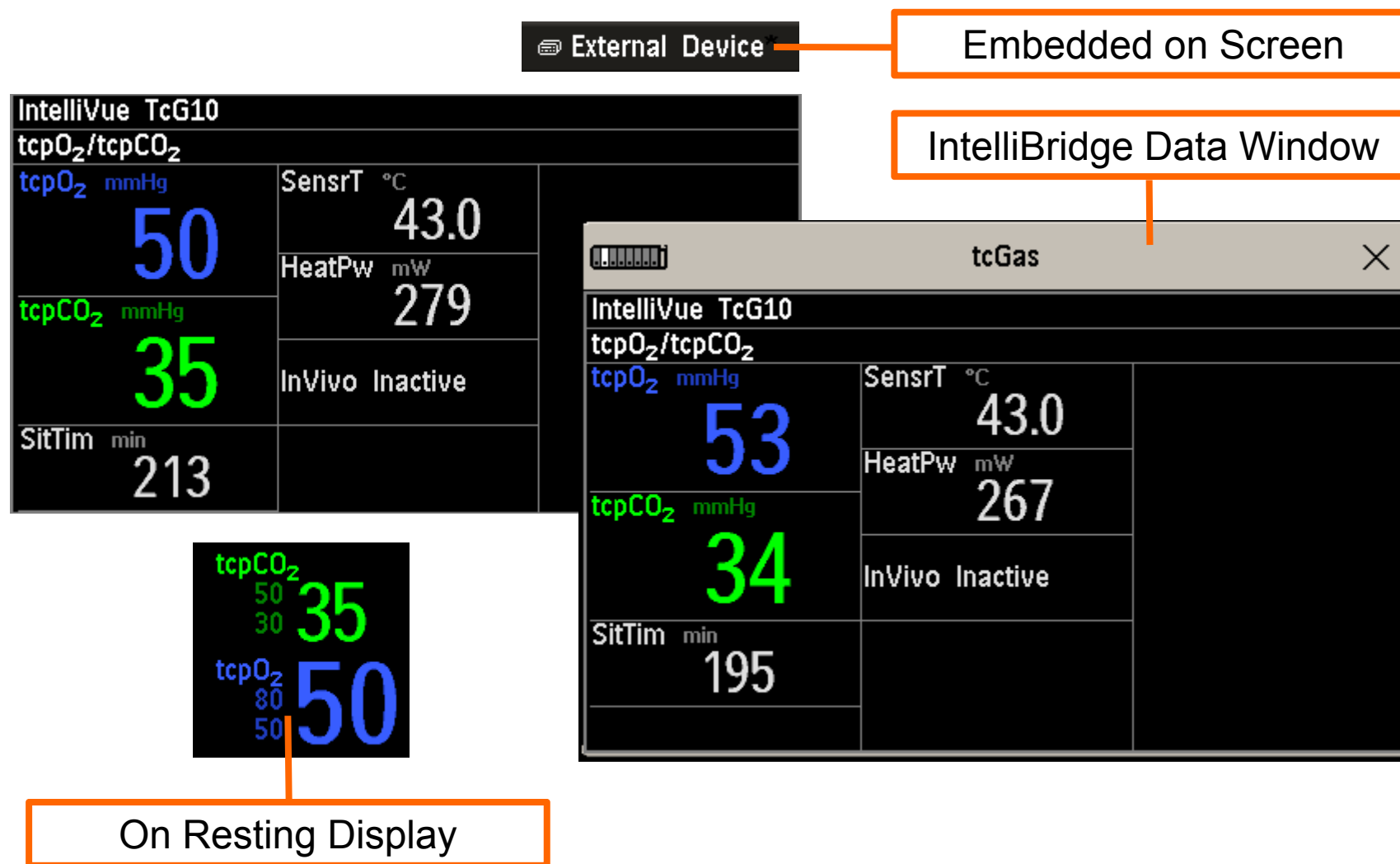
IntelliVue TcG10: Key Features

- Ready to use
  - no set-up time

- Automatic calibration
  - no manual handling
- Stable/robust sensor
  - membrane protection
- Easy and fast re-membraning
  - using Fit & Click
- 14 days re-membraning interval
  - minimal handling
- Reliable measurement
  - automatic check of sensor performance
- Sensor memory for performance data and date of re-membraning
  - indication of re-membraning request

TcG10 – User Interface in the IntelliVue Monitor

TcG10 is using
bi-directional communication

TcG10 ↔ IB EC10 ↔ MP50

IntelliVue Monitor

Setup TcGas

TcG10

IB EC10 Module

TcG10 Data on the Screen

Embedded on Screen

IntelliBridge Data Window

On Resting Display

Available Parameters

Label	Measurement Description	Unit
tcpO2	Transcutaneous partial pressure of oxygen ($tcpO_2$)	mmHg, kPa
tcpCO2	Transcutaneous partial pressure of carbon dioxide ($tcpCO_2$)	mmHg, kPa
SitTim	Site time	min
SensrT	tc Sensor 84 temperature	°C, °F
HeatPw	tc Sensor 84 heating power (**Absolute**, **Relative**)	mW
InVivo	In vivo correction mode	Inactive, Active

Measured Values   Information Message

Quote & Ordering

- IntelliVue TcG10 Product Number: **865298**

- Options
  - K05 (standard)   EC 5 with LAN Cable 1.5 m
  - K10 (optional)   EC10 IntelliBridge Module
                               driver loaded for IntelliVue

- Quickmount Solution (Tabletop Mount) is Standard

- <u>Availability</u>

  FDA and Health Canada: US November 2011 price book

M1018A TcGas Solution

- Uses Radiometer sensor M1918A/B
  - Sensor and module reaching its end of life
- Requires external calibration unit (15210B)
- Requires separate cal gas
- Early 1990's technology (15+ years old)
  - Solution is difficult to use and perceived as being complicated
  - Manual step for user
  - Cumbersome, lengthy calibration and stabilization
  - Support constraints - parts becoming obsolete and difficult to get
- Marketing Minute 439 announces product discontinuance plan for M1018A
  - Note: existing sensors, M1918A and M1918B are not part of this discontinuance

Collaborative effort for Philips and Radiometer Contracted Partnership

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Partnership - How to Work Together

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Monitor, EC10
IntelliVue TcG10

Sensor, consumables

- Sales (monitor and module)
- Training
- Installation
- After sales Product Support

- Sales (sensor and accessories)
- Training
- Installation
- After sales Application Support

End User
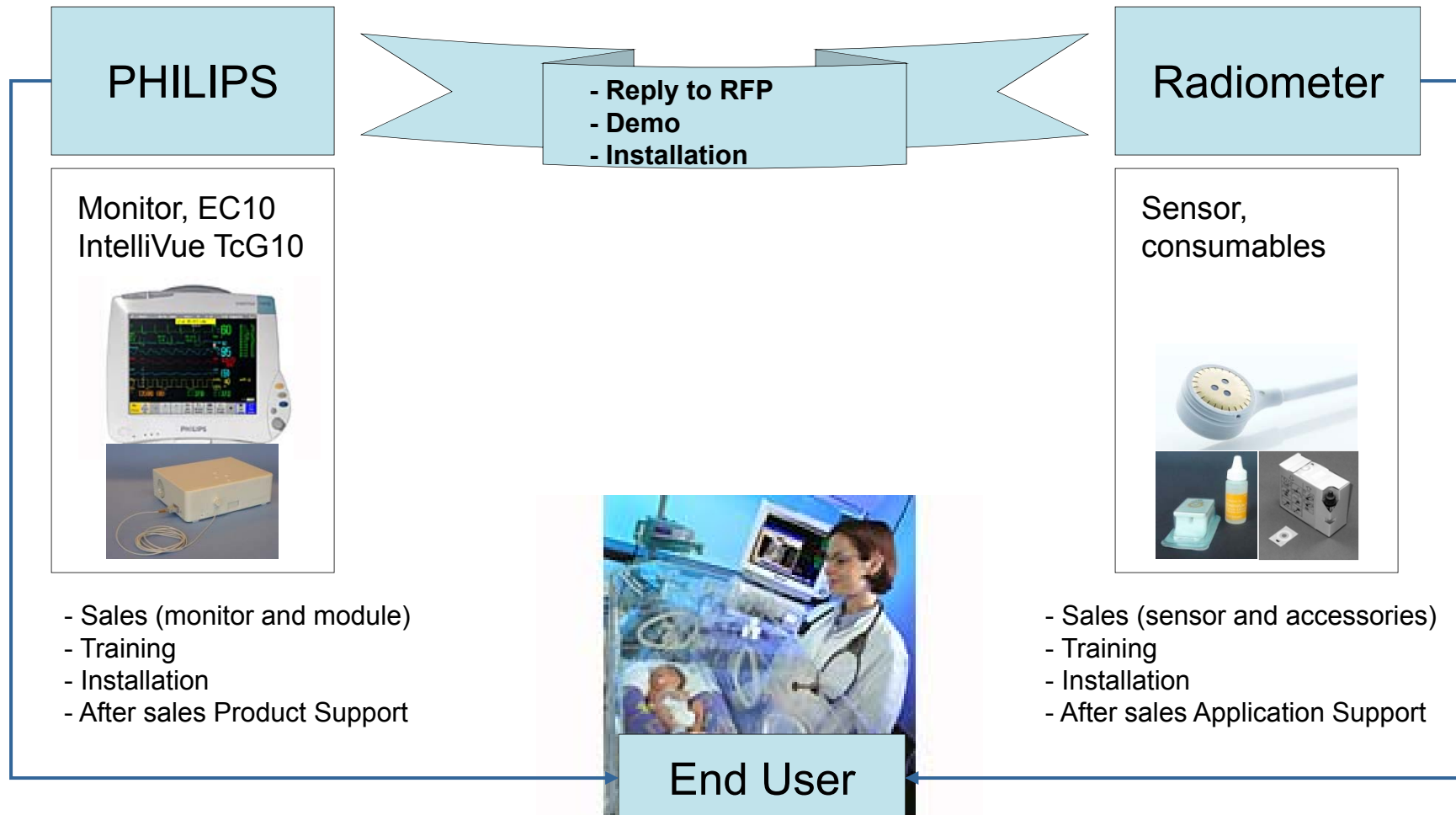
Sales, Training and Support

Overall Strategy

Collaborative between Philips and Radiometer

Sales, Pre-sales Clinical Trials, Post-sales Training, Go-Live support

- ## Radiometer provides

  - the sensor 84, consumable supplies and accessories
  - Application training and measurement support to customer

- ## Philips provides

  - the TcG10 module, IntelliBridge products
  - Installation and training of the monitoring solution
  - Customer Care phone support with escalation to Radiometer if needed

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TcGas Application & Sensor
(Phil Lazzara)

TC Sensor 84

Part Number 945-737

Membraning the Sensor
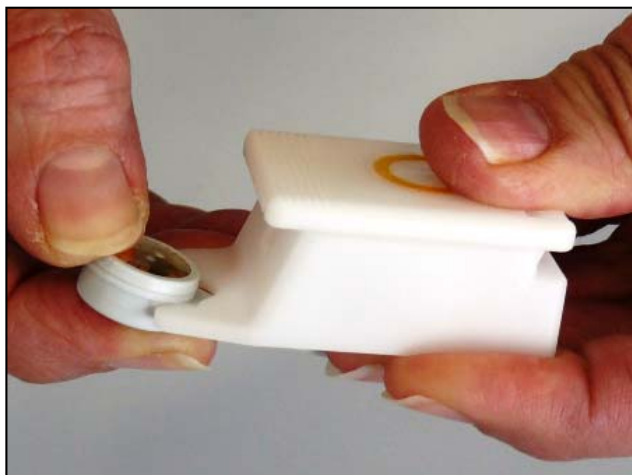
Every two weeks

See
Instructions for Use
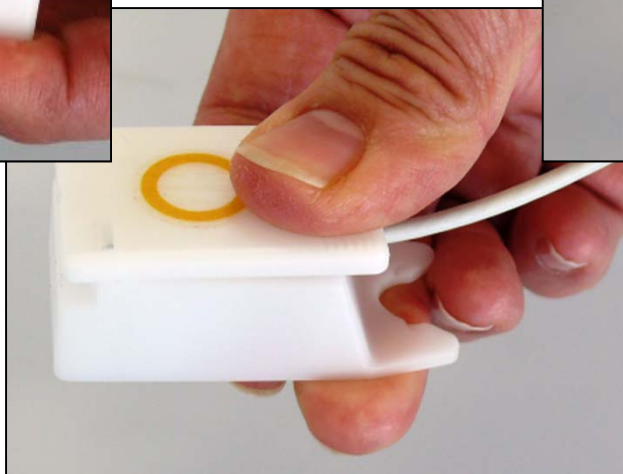
↑√ tcGas CHG MEMBRAN

tcpO₂/tcpCO₂ Last prep. 6 Jul 10 15:11, time left: 0h

Membraning the Sensor

↑√ tcGas   CFRM PREP

Setup tcGas

Site Time	: 4.0 hours
Confirm New Prep	
Decline New Prep	

Please Confirm

To confirm the new preparation, select Confirm   Confirm   Cancel

Membraning the Sensor

Please Confirm

To confirm the new preparation, select Confirm | Confirm | Cancel |
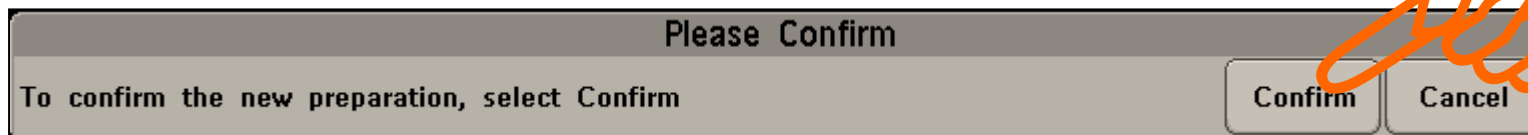
tcpO$_2$/tcpCO$_2$ **Sensor preparation done**

tcpO$_2$/tcpCO$_2$ Calibration Progress: 73%

tcpO$_2$/tcpCO$_2$ Ready to use, last cal. 21 Jul 10 10:29

tcpO$_2$/tcpCO$_2$ Last prep. 21 Jul 10 10:24, time left: 335h

Re-membraning of TC Sensor 84

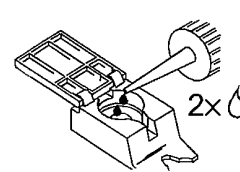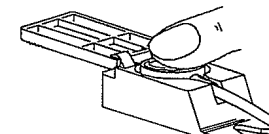The request for re-membraning is displayed: "tcGas CHG MEMBRAN"

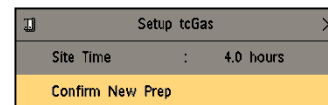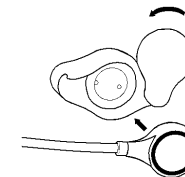|			
1. Remove ring and membrane	**2.** Clean with water	**3.** Add electrolyte 84	**4.** Insert sensor face downwards
5.	**6.** Remove excessive electrolyte	**7.** Confirm re-membraning "tcGas CFRM PREP"	**8.** Place sensor in cal chamber
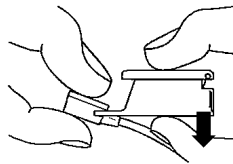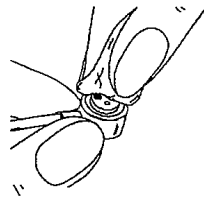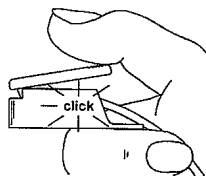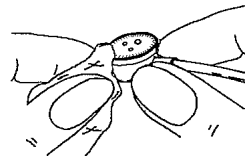
Note: After remembraning a new sensor or a sensor that has not been used for a long time, leave the sensor in the calibration chamber for at least 4 hours to stabilize.
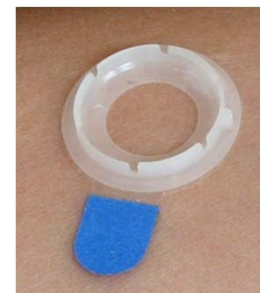
TC Sensor 84 and consumables
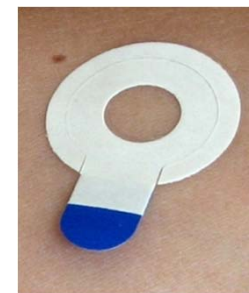
tc Sensor 84
part nr. 945-737

Membraning kit 84
(supply for approx. 6 months)
12 preparators, 1x Contact gel
part nr. 905-871
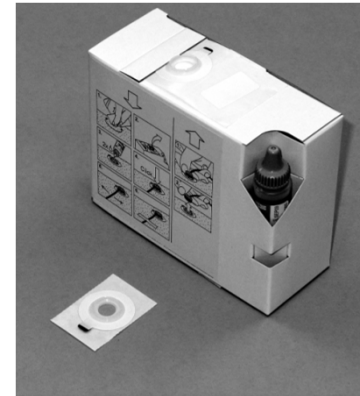
Fixation kit N20
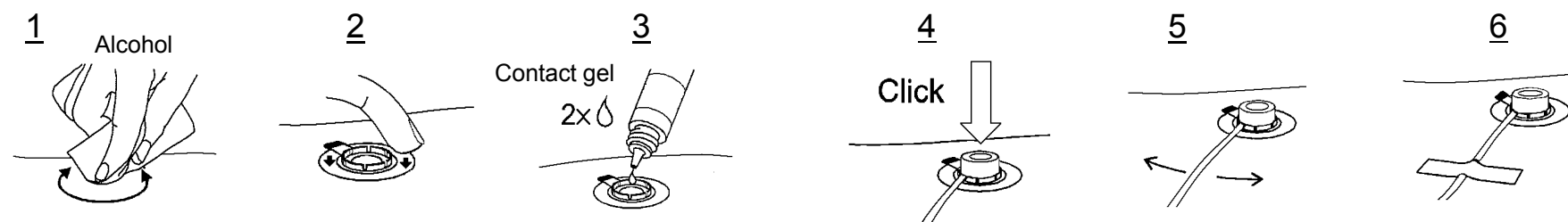(ø 20 mm for neonates)
60 rings, 1x Contact gel
part nr. 905-873

Adhesive rings N20 kit
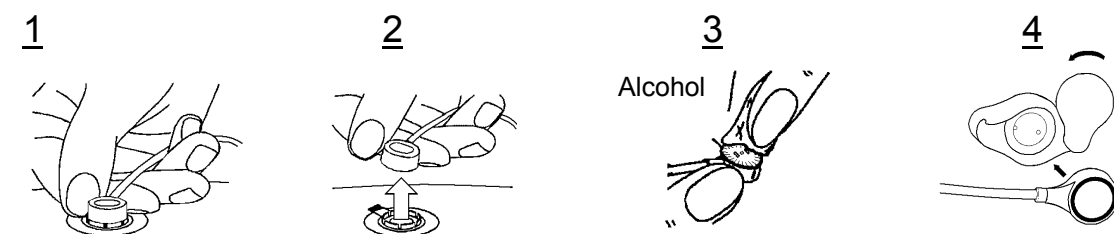(ø 20 mm for neonates)
250 rings, 1x Contact gel
Part nr. 905-872
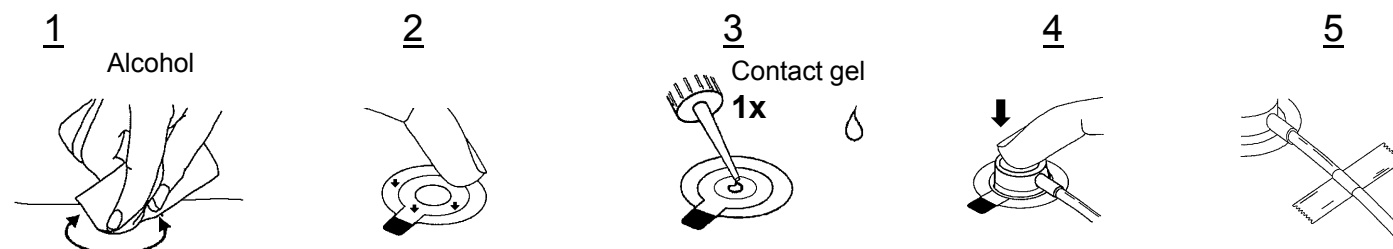
Application / removal of TC Sensor
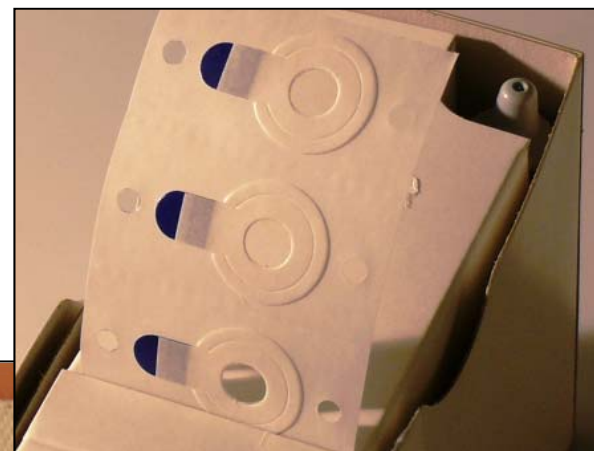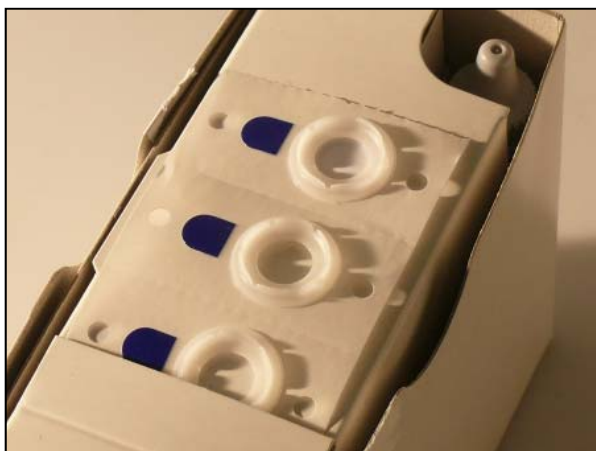
Fixation ring - application

1 Alcohol	2	3 Contact gel 2x	4 Click	5	6

Fixation ring - removal

1	2	3 Alcohol	4

Adhesive ring - application

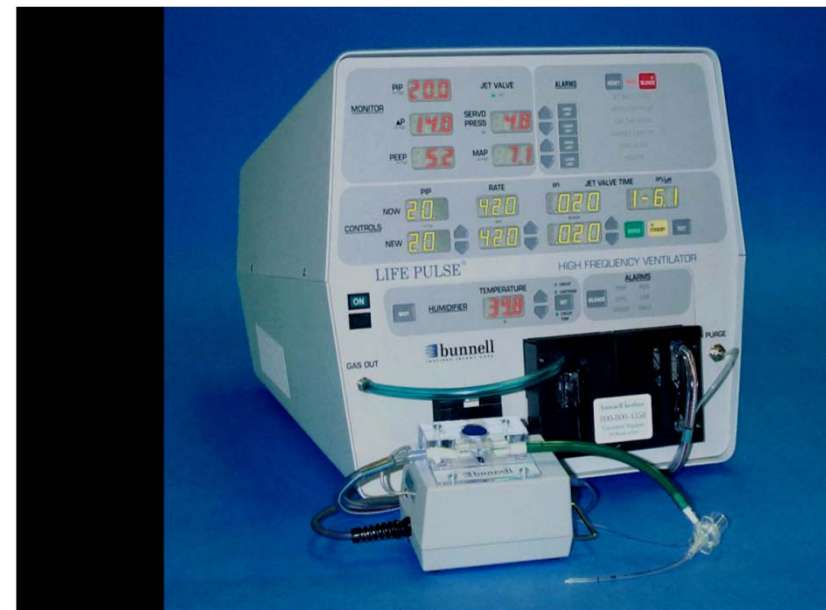| 1 Alcohol	2	3 Contact gel 1x	4	5

Applying the sensor

See
Instructions for Use
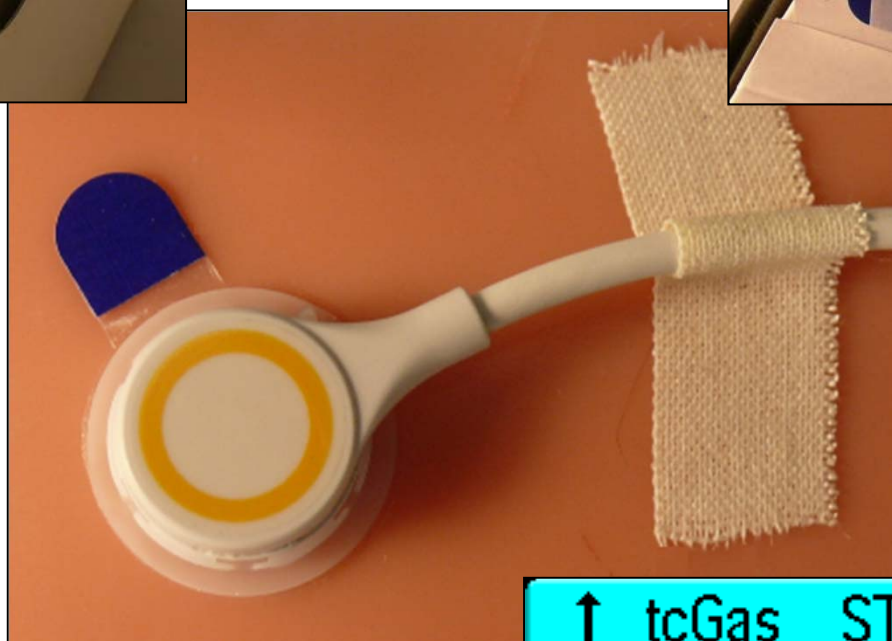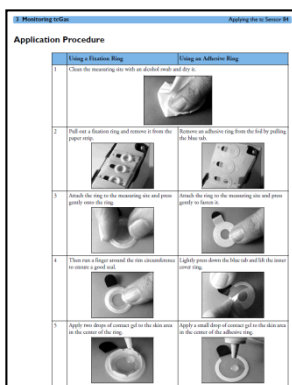
Fluctuations in PaO_2 /CO_2 levels cannot be assessed by intermittent arterial or capillary sampling!

Advanced Technologies
Hypocapnia/Hyperoxygenation

SensorMetics 3100B
Adult Oscillator

Bunnell Inc. - Neonatal high
frequency jet ventilator

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QUESTIONS?

Reference