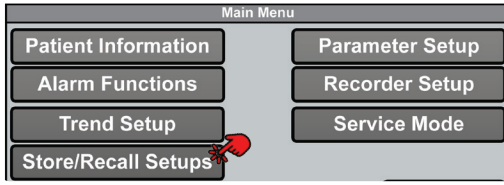# 3880 MRI Patient Monitor System Reference Chart

SELECT PATIENT PROFILE

a. Press [SETTINGS] Button on the 3880Q Monitor

b. Press Store/Recall Setups Button

Main Menu

Patient Information	Parameter Setup
Alarm Functions	Recorder Setup
Trend Setup	Service Mode
Store/Recall Setups	

c. **Press stored setting** and **then press Recall Button**

Store/Recall Setups

ADULT ANES	PEDS ANES	NEO ANES	ADULT ICU	PEDS ICU

Recall   Store   **Do NOT Press Store!**

Recall Factory Default   BACK

MONITOR BUTTONS

Monitor Settings Button (Access main menus)

StandBy (Alarm Off) Button (Indefinitely pauses audio and visual alarms, Terminates NIBP cycle) (Does NOT put monitor to sleep)

Trend Button (Access vital sign trends)

NIBP (Star/Stop) Button (Activates NIBP measurement/cycle) Pressing button for 3 seconds starts stat reading

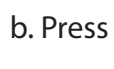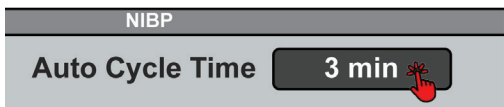**Record Button** (Start/Stop Base Station printer)

Alarm Silence (Audio Alarm Off) Button (Silences audio alarms for 120 seconds, visual alarms continue to flash)

NON-INVASIVE BLOOD PRESSURE (NIBP)

a. Select NIBP cycle time

NIBP
Auto Cycle Time   3 min

b. Press [NIBP] Button to initiate NIBP cycle

* The monitor will not auto cycle NIBP when in Stand-By Mode

* Neonate or Infant size NIBP cuffs can only be used with Neonate Mode

WIRELESS POD CHANNEL CONNECTIVITY

a. Press ◎ to power **ON** POD.

b. Verify Connected light is illuminated.

c. **If not Connected:**
- Press [CH SELECT] to snyc POD with Monitor.
- Continue pressing until **Connected light is ON.**
- ALT Channels light will illuminate if on CH 5 - 8.

MONITOR ALARM OVERVIEW
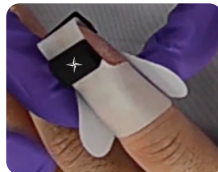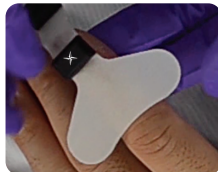
On Screen Alarms

Alarm Priority	Physiological Alarms	Technical Alarms
HIGH	Possible Life-Threatening Situation RED Flashing Dome Light and Parameter Numerics Audible Sound.	Indicates a serious device related issue. Same Visuals/Audio as Physiological Alarms Technical Message Displayed
MEDIUM	Possible Serious Non-Life-Threatening Situation YELLOW Flashing Dome Light & Parameter Numerics Audible Sound.	Device related issue or improper Operation Same Visuals/Audio as Physiological Alarms Technical Message Displayed.
LOW	Vital Sign Abnormality -Requires Clinical Attention BLUE Flashing Dome Light and Parameter Numerics Audible Sound.	Device related issue may compromise monitoring functions. Same Visual/Audio: Technical Message Displayed

Alarm Examples:

High Priority MESSAGE	X
Med Priority MESSAGE	X
Low Priority MESSAGE	X

SpO₂ PULSE OXIMETRY APPLICATION

Adult & Pediatric Disposable SpO₂ Wrap

a. Apply disposable SpO₂ wrap on patient's finger or toe with ✦ **symbol** over nail bed. Wrap wings of SpO₂ wrap around patient's finger or toe.

b. Insert white tipped cable with **red light** into opening on grip with ✦ **symbol.**

c. Insert black tipped cable tip into grip's bottom opening with ● **symbol.**
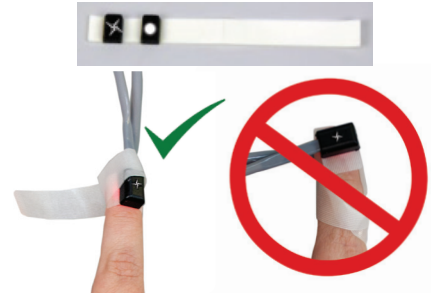
d. Fiber-optic tips must face each other.

Neonate and Infant/Adult Disposable SpO₂ Wraps

a. Apply disposable wrap with ✦ **symbol** over nail bed, top of foot, or hand.

b. Insert white tipped cable with **red light** into opening on ✦ grip.

c. Insert black tipped cable tip into grip's bottom opening marked by with ● symbol.

d. Fiber-optic tips must face each other.

Reusable SpO₂ Grips

a. Apply grip with **number** over nail bed and facing away from patient.

b. Insert white tipped cable with **red light** into opening with **number** on nail bed.

c. Insert black tipped cable into grip's bottom opening on finger pad.

d. Fiber-optic tips must face each other.

SCAN FOR TRAINING VIDEOS
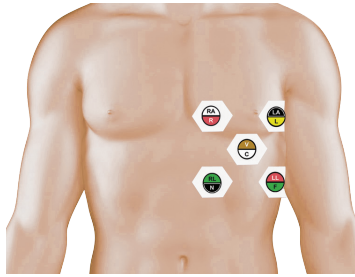
ECG	SPO2	IBP	CO2	NIBP	SETUP	ECG TRBL

PLACE WIRELESS PODS INSIDE PROTECTIVE **POD JACKETS.**

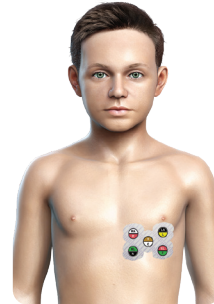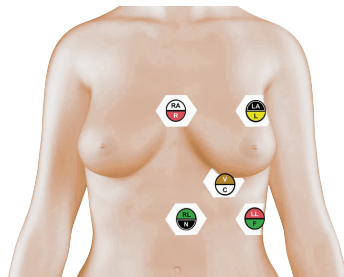**CAUTION**
AVOID BARE SKIN CONTACT WHILE IN USE

ECG ELECTRODE APPLICATION

Place **electrodes & lead-wires** on patient as follows:

Separate electrodes for Adult ECG application   **Pediatric**   **Infant**

Leadwire Management

- Route PODs & leadwires away from RF Coil. Place PODs in "Line of Sight" with Monitor.

Three Lead Placement

a. Remove (V/C) & (RL/N) wires from ECG POD

b. Place electrodes as follows

ECG Trouble Shooting:

1. QRS waveform amplitude should be larger than the white bracket.

2. Ensure 3880 Monitor's MRI Filter is set to **MRI or MRI 2** to filter out RF interference on waveform.

II   10 mm/mV   MRI   ECG HR   bpm
75
160
50

Potential Causes of Waveform Noise

1. Weak ECG amplitude due to placement
2. Non-MR Safe or expired ECG electrodes
3. Alcohol based skin prep products
4. Damaged ECG leadwires
5. POD or ECG Leadwire under MRI coil
6. New gradient sequence

3. Change Leadview if needed.

4. Prep Skin with Nuprep and apply new electrodes.

INVASIVE BLOOD PRESSURE

a. Power ON and Connect **transducer** cable to P1 or P2 on ipPOD. **DO NOT ATTACH TRANSDUCER TO PATIENT SKIN.**

Transducer must be maintained at applicable level for invasive pressure per hospital policy.

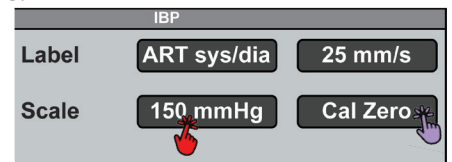**Must use MR compatible transducer cable (not sold by IRadimed) with 3883-1 Universal ipPOD.*

b. **Keep transducer and ipPOD OUTSIDE of MRI bore.**

3883-1(Universal)*   3883-2 (Truwave)   3883-3(Transpac)

c. Select **IBP** section on monitor's screen. Select IBP label and set **Scale** as applicable.

Turn transducer stopcock "OFF TO PATIENT/OPEN TO AIR."

d. Remove non-vented cap from stopcock and **Press "CAL ZERO"** in IBP section of monitor screen corresponding with **IBP1** or **IBP2** as applicable.

IBP		
Label	ART sys/dia	25 mm/s
Scale	150 mmHg	Cal Zero

e. When *00/00* is displayed in the IBP parameter section, turn stopcock **"OPEN TO PATIENT/ CLOSED TO AIR."**

Replace non-vented cap on stopcock.

EtCO$_2$ FROM MONITOR (INTERNAL)

a. Attach EtCO$_2$ Sample Line with Disc Filter to CO$_2$ port on monitor

b. Connect Sample Line to patient's airway adapter, nasal cannula, or mask

Factors that may affect accuracy:

- Leaks, kinks, or moisture in Sample Line or Filter
- Airway pressure
- Use of masks or extra extension tubing.
- Incompatible accessories for breathing style

CO2   mmHg
50
15   38 ET
2 IN

1841 micron disc filter is single patient use only.

EtCO$_2$ FROM 3886 MULTI-GAS MODULE (EXTERNAL)
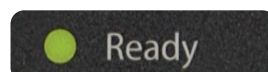
MR MR Conditional up to 600 Gauss

Multi-Gas Module provides CO$_2$ waveform and anesthetic agents measurements

a. Power Multi-Gas Module **ON** using switch on rear side

b. Insert Nomoline into Multi-Gas Module

Ready

Ready to Measure Gases

c. Attach Sample Line between Nomoline & patient's airway adapter/cannula

CO$_2$ OCCLUSION MESSAGE: Check and/or replace Sample Line or Nomoline.

1850 nomoline can be reused for up to 14 days.