

# Alarm and Measurement Default Settings

Settings are only entered once per table row if they are the same for all patient categories.

## Alarm Default Settings

Alarm Settings	Factory Default H10 / H20 / H40	H30 (deviations from H10/20/40)
Alarm Volume	5	
Alarms Off	2 min	
Pause Al. 5min	Enabled	
Pause Al. 10min	Enabled	
Auto Alarms Off	Off	
Alarm Off Reminder	Off	
Visual Latching	Red & Yell	Red Only
Audible Latching	Red & Yell	Off
Alarm Reminder	On	
Reminder Time	3 min	
Alarm Sounds	Traditional	
Red Alarm Interval	10 sec	
Yel. Al. Interval	20 sec	
Alarm Low	4	2
Red Alarm Volume	AlarmVol +2	
Yell. Alarm Volume	AlarmVol +0	
Inop Volume	AlarmVol +0	
Auto Increase Vol.	2 Steps	
Increase Vol Delay	20 sec	
Keep Blinking	No	
Relay 1 Sensitiv.	R & Y & C	
Relay 2 Sensitiv.	Red & Yell	
Relay 3 Sensitiv.	Red	
CyanRelayLatency	5 sec	
Yel. Relay Latency	2 sec	
Alarm Text	Standard	
No Centr Mon Min Vol	4	

## ECG, Arrhythmia, ST and QT Default Settings

ECG Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
High Limit	120 bpm	160 bpm	200 bpm			
Low Limit	50 bpm	75 bpm	100 bpm			
Alarms	On					
Alarm Source	Auto			Auto		
ECG	On					
QRS Volume	1					
Primary Lead	II					
Secondary Lead	V					
Analysis Mode	Multi-lead					
Lead Placement	Standard					
Mod. Lead Placment	Off					
Filter	Monitor			Filter		
Speed	25 mm/s					
Auto Filter	Off					
Default ECG Size	x1					
Color	Green					
Asystole Thresh	4.0 sec		3.0 sec			
Δ ExtrTachy	20 bpm					
Tachy Clamp	200 bpm	220 bpm	240 bpm			
Δ ExtrBrady	20 bpm					
Brady Clamp	40 bpm		50 bpm	40 bpm	60 bpm	80 bpm
ECG AL. OFF Inop	Cyan					
Fallback	On					
Alarms Off	Enabled					
Alarm Source Sel.	Enabled					
Va Lead	V2					
Vb Lead	V5					
SyncPulse Sensit	Medium					
SyncPulse Marker	On					
PulseAlarms Tele	Enabled					

Arrhythmia Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Arrhythmia	On		Off	Off		
Pause Threshold	2.0 sec		1.5 sec			
VTach HR	100	120	150			
VTach Run	5					
Vent Rhythm	14					
SVT HR	180	200	210			
SVT Run	5					
PVCs/min	10	5	5			
Non-Sustain	On					
Vent Rhythm	On					
Run PVCs	On					
Pair PVCs	On			Off		
R-On-T PVCs	On			Off		
V. Bigeminy	On			Off		
V. Trigeminy	On			Off		
PVCs/min	On			Off		
Multif. PVCs	On			Off		
Pacer N. Cap	On					
Pacer N. Pac	On					
Pause	On			Off		
Missed Beat	On			Off		
SVT	On					
Afib	On					
IrregularHR	On			Off		
HR Alarms	Short Yellow					
TimeOut 1st	3 min					
TimeOut 2nd	10 min					
Arrhy Off Message	Yes					
SOME ECG... Inop	On			Off		

Lead-independent ST Settings	Factory Adult	Factory Pedi	Factory Neo
ST Alarm Mode	Single ST		
Alarms	On		

Lead-independent ST Settings	Factory Adult	Factory Pedi	Factory Neo
ST Analysis	On	Off	
ST-Index	On		
ISO Point	-80 ms		
J Point	48 ms		
ST Point	J+60		

Lead I, II, III, V, aVR, aVL, aVF, V1-6, MCL Settings	Factory Adult	Factory Pedi	Factory Neo
ST(Label)	On	Off	
<b>For Alarm Mode = Single-ST</b>			
ST(Label) High	+2.0 mm		
ST(Label) Low	-2.0 mm		
<b>For Alarm Mode = Multi-ST</b>			
ST(Label) High	+1.0 mm		
ST(Label) Low	-1.0 mm		

QT Settings	Factory Adult	Factory Pedi	Factory Neo
QT Lead	All		
QTc High Limit	500 ms	480 ms	460 ms
$\Delta$ QTc Limit	60 ms		
QTc High Alarm	On		
$\Delta$ QTc High Alarm	On		
QT Analysis	Off		
QTc Formula	Bazett		

## Pulse Default Settings

Pulse Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Alarms Source	Auto			Auto		
Pulse (Label)	On					
System Pulse	SpO <sub>2</sub>			Auto		
Alarms Off	Enabled					
Alarm Source Sel.	Enabled					

Pulse Alarm Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Pulse (SpO <sub>2</sub> )	On					
Pulse Alarms	Off					
High Limit	120 bpm	160 bpm	200 bpm			
Low Limit	50 bpm	75 bpm	100 bpm			
Δ Extr Brady	20 bpm					
Brady Clamp	40 bpm	40 bpm	50 bpm	40	60	80
Δ Extr Tachy	20 bpm					
Tachy Clamp	200 bpm	220 bpm	240 bpm			

Pulse alarms use the settings of the currently selected Pulse alarm source.

## Respiration Default Settings

Respiration Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
High Limit	30 rpm		100 rpm			
Low Limit	8 rpm		30 rpm			
Apnea Time	20 sec					
Alarms	On					
Resp	On			Off		
Detection	Auto (Trigger Mode)					
Respiratory Speed	6.25 mm/s					
Color	Yellow			White		

## SpO<sub>2</sub> Default Settings

SpO <sub>2</sub> Settings	Factory Adult	Factory Pedi	Factory Neo
Alarms	On		
QRS Volume	1		
Tone Modulation	Yes		
Tone Mod. Type	Enhanced		
Speed	25 mm/s		
Perfusion	On		
Average	10 sec		
NBP Alarm Suppr.	On		
Ext. Auto OnOff	Disabled		
Color	light blue (cyan)		
Average in Mon.	No		
Signal Quality	On		

SpO <sub>2</sub> Alarm Default Settings			
Setting	adult	pediatric	neonatal
Desat Limit	80	80	80
Low Limit	90	90	85
High Limit	100	100	95
Desat delay	20 sec	20 sec	20 sec
High Alarm delay	10 sec	10 sec	10 sec
Low Alarm delay	10 sec	10 sec	10 sec
Alarms On/Off	on	on	on
Label	SpO <sub>2</sub>	SpO <sub>2</sub>	SpO <sub>2</sub>
Pulse Settings			
Pulse (SpO <sub>2</sub> )	on	on	on
Pulse Alarms On/Off	on	on	on
High Limit	120 bpm	160 bpm	200 bpm
Low Limit	50 bpm	75 bpm	100 bpm
Δ Extr Brady	20 bpm	20 bpm	20 bpm
Brady Clamp	40 bpm	40 bpm	50 bpm
Δ Extr Tachy	20 bpm	20 bpm	20 bpm
Tachy Clamp	200 bpm	220 bpm	240 bpm

## NBP Default Settings

NBP Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Mode	Auto		Manual			
Alarms from	Sys.					
High Limit	160/90 (110)	120/70 (90)	90/60 (70)	180/90 (110)		
Low Limit	90/50 (60)	70/40 (50)	40/20 (24)	70/50 (65)		
Alarms	On					
NBP	On					
Repetition Time	10 min			3 min		
Pulse (NBP)	On					
Unit	mmHg					
Done Tone	Off			On		
Start Time	Synchronized			NotSynchron.		
VP Pressure	60 mmHg	40 mmHg	30 mmHg			
Reference	Auscultatory		Invasive			
Color	Red			Magenta		

## Temperature Default Settings

Temp Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Low Limit	36			35		
High Limit	39					
Alarms	On					
Unit	°C					
Range	35...43					
Color	Green			Light Green		

## Invasive Pressure Default Settings

ABP, ART, Ao, BAP, FAP, P, P1, P2, P3, P4, UAP Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Alarms from	Sys.					
High Limit	160/90 (110)	120/70 (90)	90/60 (70)	180/90 (110)		
Low Limit	90/50 (70)	70/40 (50)	55/20 (36)	70/50 (70)		
Alarms	On					

ABP, ART, Ao, BAP, FAP, P, P1, P2, P3, P4, UAP Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Extreme Alarms	Disabled					
ΔExtreme High	15	10	5			
ΔExtreme Low	15	10	5			
High Clamp	190/100 (125)	140/80 (100)	105/75 (75)			
Low Clamp	80/45 (65)	60/35 (45)	45/15 (30)	65/45 (65)		
Scale	150	100	100			
Speed	25 mm/s					
Mean Only	No					
Filter	12 Hz					
Mercury Cal.	Yes					
Artifact Suppr.	60 sec					
Unit	mmHg					
Color	Red					

CVP, RAP, LAP, UVP Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Alarms from	Mean					
High Limit	14/6 (10)	10/2 (4)	10/2 (4)			
Low Limit	6/-4 (0)	2/-4 (0)	2/-4 (0)			
Alarms	On					
Extreme Alarms	Enabled					
ΔExtreme High	5	5	5			
ΔExtreme Low	5	5	5			
High Clamp	20/10 (15)	15/5 (10)	15/5 (10)			
Low Clamp	0/-5 (-5)	0/-5 (-5)	0/-5 (-5)			
Scale	30					
Speed	25 mm/s					
Mean Only	Yes					
Filter	12 Hz					
Mercury Cal.	Yes					
Artifact Suppr.	60 sec					
Unit	mmHg					
Color	light blue (cyan)			Blue		



PAP Settings	Factory Defaults		
	Adult	Pedi	Neo
Alarms from	Dia.		
High Limit	34/16 (20)	60/4 (26)	60/4 (26)
Low Limit	10/0 (0)	24/-4 (12)	24/-4 (12)
Alarms	On		
Extreme Alarms	Enabled	Enabled	Enabled
ΔExtreme High	5	5	5
ΔExtreme Low	5	5	5
High Clamp	45/20 (25)	65/5 (35)	65/5 (35)
Low Clamp	5/-5 (-5)	15/-5 (5)	15/-5 (5)
Scale	30		
Speed	25 mm/s		
Mean Only	No		
Filter	12 Hz		
Mercury Cal.	Yes		
Artifact Suppr.	60 sec		
Unit	mmHg		
Color	Yellow		

ICP, IC1, IC2 Settings	Factory Defaults		
	Adult	Pedi	Neo
Alarms from	Mean		
High Limit	14/6 (10)	10/2 (4)	10/2 (4)
Low Limit	6/-4 (0)	2/-4 (0)	2/-4 (0)
Alarms	On		
Extreme Alarms	Enabled	Enabled	Enabled
ΔExtreme High	10	10	10
ΔExtreme Low	10	10	10
Low Clamp	20/10 (-5)	15/5 (-5)	15/5 (-5)
Mean High Clamp	0/-5 (0)	0/-5 (0)	0/-5 (0)
Scale	30		
Speed	25 mm/s		
Mean Only	Yes		
Filter	12 Hz		
Mercury Cal.	Yes		
Artifact Suppr.	60 sec		
Unit	mmHg		
Color	Magenta		

## Cardiac Output Default Settings

C.O. Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Auto-Calibration	On					
Tblood High Limit	39.0 °C					
Tblood Low Limit	36.0 °C					
Tblood Alarm On/Off	On					
Temperature Unit	°C					
Color	Green			Yellow		

CCO/CCI Settings	Factory Adult	Factory Pedi	Factory Neo
Settings common to CCO and CCI			
Alarms from	CCO		
CCO from	ABP		
Color	Green		
CCO			
Alarms	On		
CCO High Limit	8.5 l/min	3.7 l/min	1.3 l/min
CCO Low Limit	4.0 l/min	2.6 l/min	0.3 l/min
CCI			
Alarms	On		
CCI High Limit	4.3 l/min/m <sup>2</sup>	3.7 l/min/m <sup>2</sup>	5.2 l/min/m <sup>2</sup>
CCI Low Limit	2.0 l/min/m <sup>2</sup>	2.6 l/min/m <sup>2</sup>	1.2 l/min/m <sup>2</sup>

## CO<sub>2</sub> Default Settings

CO <sub>2</sub> Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
etCO <sub>2</sub> low	30			25		
etCO <sub>2</sub> high	50			60		
imCO <sub>2</sub> high	4					
CO <sub>2</sub> Alarms	on					
Unit	mmHg					
Scale	40 mmHg			50		
ImCO <sub>2</sub>	on			Off		
N <sub>2</sub> O Corr (only M3015A/ M3016A)	Off					
Oxygen Corr (only M3014A)	16%					

CO <sub>2</sub> Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
Gas Corr (only M3014A)	Off					
Humidity Corr	BTSP					
Max Hold	Off					
AwRR	On					
AwRR Alarms	On					
AwRR high limit	30		100			
AwRR low limit	8		30			
Apnea time	20 secs					
Color	Yellow			White		

## Spirometry Default Settings

Spirometry Settings	Adult	Pedi	Neo
APNEA high limit	20	20	20
MVexp low	4.0	2.5	0.4
MVexp high	8.0	4.0	0.8
PIP high	40	25	20
PEEP low	0	0	0
PEEP high	25	25	25
RRspir low	8	8	30
RRspir high	30	30	60
AWF scale	±150 l/min	±100 l/min	±20 l/min
AWV scale	±800 ml	±200 ml	±50 ml
AWP scale	±40 cmH <sub>2</sub> O	±40 cmH <sub>2</sub> O	±20 cmH <sub>2</sub> O

## tcGas Default Settings

tcGas Settings	Factory Adult	Factory Pedi	Factory Neo
tcpO <sub>2</sub> High Limit	80 mmHg		
tcpO <sub>2</sub> Low Limit	50 mmHg		
tcpO <sub>2</sub> Alarms	On		
tcpCO <sub>2</sub> High	50 mmHg		
tcpCO <sub>2</sub> Low	30 mmHg		
tcpCO <sub>2</sub> Alarms	On		
Site Time	4.0 hours		
Disable Timer	Not Allowed		

tcGas Settings	Factory Adult	Factory Pedi	Factory Neo
Heat Switch Off (i.e., after Site Timer elapsed)	No		
Transducer Temp.	43.0 °C		
CO <sub>2</sub> Correction ( <i>Severinghaus</i> )	On		
Metabolism Factor	8 mmHg		
TcGas Unit	mmHg		
Temperature Unit	°C		
tcpO <sub>2</sub> Color	Blue		
tcpCO <sub>2</sub> Color	Green		

## SO<sub>2</sub> Default Settings

SO <sub>2</sub> Settings	Factory Adult	Factory Pedi	Factory Neo
Low Limit	70%		
High Limit	80%		
Alarms	On		
Light Intensity	On		
Color	Yellow		
Hb/Hct Entry	Hct [%]		
Factor Entry	Disabled		

## SvO<sub>2</sub> Default Settings

SO <sub>2</sub> Settings	Factory Adult	Factory Pedi	Factory Neo
Low Limit	60%		
High Limit	80%		
Alarms	On		
Light Intensity	On		
Color	Yellow		
Hb/Hct Entry	Hct[%]		
Factor Entry	Disabled		

## ScvO<sub>2</sub> Default Settings

SO <sub>2</sub> Settings	Factory Adult	Factory Pedi	Factory Neo
Low Limit	70%		
High Limit	80%		
Alarms	On		
Light Intensity	On		
Color	Yellow		

## EEG Default Settings

EEG Settings	Factory Adult	Factory Pedi	Factory Neo
TP, SEF	On		
MDF, PPF, Delta, Theta, Alpha, Beta	Off		
SEF Threshold	90%		
Numeric Average	8 sec		
Wave Scale	100uV (or +/- 50uV if <b>Show Gridlines</b> is configured to <b>Yes</b> )		
Show Gridlines	No		
Low Filter	0.5 Hz		
High Filter	30 Hz		
Impedance Limit	5 kOhm		
Smoothing CSA	On		
Color	Yellow		

## BIS Default Settings

BIS Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
SQI	On					
EMG	On					
SR	On					
SEF	Off					
TP	Off					
Bursts	On			Off		
Scale	100uV (or +/- 50uV if <b>Show Gridlines</b> is configured to <b>Yes</b> )					
Show Gridlines	No					
Filters	On					
Low Filter	2 Hz					

BIS Settings	Factory defaults H10 / H20 / H40			H30 (deviations from H10/20/40)		
	Adult	Pedi	Neo	Adult	Pedi	Neo
High Filter	70 Hz					
Notch Filter	On					
High Alarm Limit	70					
Low Alarm Limit	20					
Alarms	On					
Smoothing Rate	30 sec			15 sec		
Color	Yellow			Magenta		

## VueLink Default Settings

Device Alarms	Ignored
Color	Green