

PATIENT 132-54/B



- CONTACT
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- INFO



**BLOOD RESULTS**

INVESTIGATION	RESULTS	NORMAL VALUE
WBC Count	12.000	11.000-15.000
RBC Count	4.200	4.000-5.000
Hemoglobin	12.0	12.0-16.0
Hematocrit	35.0	35.0-45.0
Platelets	150.000	150.000-400.000
PT/INR	11.0	11.0-13.0
PTT/APTT	28.0	28.0-35.0
Urea Nitrogen	10.0	8.0-12.0
Creatinine	1.0	0.8-1.2
BUN/Creatinine Ratio	10.0	10.0-20.0
Glucose	100.0	80.0-120.0
Cholesterol	200.0	125.0-200.0
Triglycerides	150.0	50.0-150.0
HDL Cholesterol	40.0	40.0-60.0
LDL Cholesterol	130.0	100.0-160.0
Total Cholesterol	200.0	125.0-200.0

**BY DATE**

DATE	TIME	TEST	RESULT
01/01/2018	08:00	WBC	12.000
01/01/2018	08:00	RBC	4.200
01/01/2018	08:00	HGB	12.0
01/01/2018	08:00	HCT	35.0
01/01/2018	08:00	PLT	150.000
01/01/2018	08:00	PT	11.0
01/01/2018	08:00	PTT	28.0
01/01/2018	08:00	GLU	100.0
01/01/2018	08:00	CHOL	200.0
01/01/2018	08:00	TRIG	150.0
01/01/2018	08:00	HDL	40.0
01/01/2018	08:00	LDL	130.0
01/01/2018	08:00	TOT CHOL	200.0

**PRESCRIPTION**

Patient ID: 132-54/B  
DOB: 01/01/1954

HC 291873  
Order #: 123456  
Date: 12/01

TT: 07 500mg Tablet Sustained Release 24HR

Sig: 1 Tablet(s) 3 times by mouth once day  
Qty: 30 Tablet(s)  
Refill: 0

Healthcare Center  
Signed by: 132-54/B

PRINT SEND ATTACH DELETE

# Connectivity

## Patient monitoring plus EHR/EMR/PDMS

To meet the ever-growing demand for data transferability in the hospital environment, Hamilton Medical ventilators offer a serial RS-232 interface and several protocols for connection to patient monitoring systems, electronic health records (EHR), electronic medical record systems (EMR), and patient data management systems (PDMS).

This document describes connectivity options for the most common EHR/EMR/PDMS systems. The following tables are based on input obtained from the field. We recommend using them for informational purposes only. Hamilton Medical has tested the protocol interfaces to ensure that the specified values are exported successfully.



Verify that the integration of the ventilator with a patient monitor, patient data management system (PDMS), computer, or similar, has been performed correctly.

Note that the information in this document may be changed or updated without notice. For further details, contact your Hamilton Medical sales representative.

# Patient monitoring systems

HAMILTON-G5	HAMILTON-S1	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Dräger	IACS (sw version VG 7.1.1)	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	GE Healthcare	Carescape B450/650/850	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Masimo	Patient SafetyNet System and Iris Gateway System	Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Mindray	BeneVision	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-3000K (v08-42 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-1900K (v01-36 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-9101K (v12-06 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-6000K (v02-10 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-1700K (v02-22 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-1500K (v02-22 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Philips	IntelliVue (IntelliBridge)	VueLink Open / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Spacelabs Healthcare	Ultraview	Polling

- (✓) External device is able to read data from Hamilton Medical device depending on the software version.  
The accuracy of the displayed monitoring data is not validated by Hamilton Medical.
- x External device is not able to read data / no drivers have been developed.
- o Contact the monitoring system manufacturer for the current status.

# EHR/EMR/PDMS

HAMILTON-S1	HAMILTON-G5	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Aixelink	ICU Care	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Ascom	Digistat Suite	Polling / Block
(✓)	(✓)	o	o	o	o	o	o	B-Simple	B-ICU.Care	Polling / Block
(✓)	(✓)	o	o	o	o	o	o	Chipsoft	CS-ECIS (Electronic Care Information System)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Cistec	KISIM	Block (using Capsule)
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Clinicomp	EHR	Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Copra System	Copra	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Dedalus	ORBIS	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Dräger	Integrated Care Manager (ICM)	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Enovacom	Patient Connect	Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	GE Healthcare	Centricity Critical Care	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	HIM	QCare	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	iMDsoft	MetaVision	Polling / Block
o	o	(✓)	(✓)	(✓)	(✓)	(✓)	o	IMESO	ICUData	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	LOWTeq	LOWTeq-PDMS intensive care	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Oracle Healthcare	CareAware	Polling / Block
(✓)	(✓)	o	o	(✓)	o	o	o	Philips	ICCA (former ICIP Release D.03)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	PICIS	Picis Critical Care Manager	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	TERENUI	Grimoires	Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	zMed Healthcare Technologies	zMed ICU solution	Block

(✓) External device is able to read data from Hamilton Medical device depending on the software version.

The accuracy of the displayed monitoring data is not validated by Hamilton Medical.

o Contact the monitoring system manufacturer for the current status.

<sup>1</sup> With service pack 1 or higher.

# Connectivity solutions middleware

HAMILTON-S1	HAMILTON-G5	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Ascom	Digistat Suite	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Bridge-Tech Medical	Device Connectivity Solution (DCS)	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Capsule Technologie	Device Driver Interface Library	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Masimo	DeviceConX	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	R Group	HealthMosaic/Open Connect	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Scion Health Hospital	Pro Touch	Hamilton P2
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Talis Clinical	Talis-Hub	Block

- (✓) External device is able to read data from Hamilton Medical device depending on the software version. The accuracy of the displayed monitoring data is not validated by Hamilton Medical.
- o Contact the monitoring system manufacturer for the current status.

## Other systems

HAMILTON-S1	HAMILTON-G5	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✓)	(✓)	(✓)	(✓)	o	(✓)	(✓)	o	EKU	NO-A, EZ-KINOX, CARDINO	Block

- (✓) External device is able to read data from Hamilton Medical device depending on the software version.  
The accuracy of the displayed monitoring data is not validated by Hamilton Medical.
- o Contact the monitoring system manufacturer for the current status.

## Distributed alarm systems

HAMILTON-S1	HAMILTON-G5	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✓)	(✓)	x	x	x	x	(✓)	x	Ascom	Digistat Suite	Block (ACK)

- (✓) External device is able to read data from Hamilton Medical device depending on the software version.  
The accuracy of the displayed monitoring data is not validated by Hamilton Medical.
- x Not available.



### Your contact

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