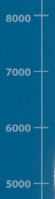


PATIENT 132-54/B



- CONTACT
- MAIL
- INFO



**BLOOD RESULTS**

INVESTIGATION	RESULTS	NORMAL VALUE
Haemoglobin	12.0 g/dL	11.5 - 16.0 g/dL
Hematocrit	35.5 %	37.0 - 47.0 %
Mean Cell Volume	29.6 fL	87.0 - 101.0 fL
Mean Cell Hemoglobin	29.6 pg	27.0 - 32.0 pg
RDW	11.5 %	11.5 - 14.0 %
Platelets	145,000 /mm <sup>3</sup>	150,000 - 400,000 /mm <sup>3</sup>
White Blood Cells	10,000 /mm <sup>3</sup>	4,000 - 11,000 /mm <sup>3</sup>
Neutrophils	55 %	50 - 70 %
Lymphocytes	35 %	20 - 40 %
Monocytes	10 %	2 - 10 %
Eosinophils	0 %	1 - 5 %
Basophils	0 %	0 - 1 %
Glucose	100 mg/dL	70 - 100 mg/dL
BUN	10 mg/dL	7 - 20 mg/dL
Creatinine	1.0 mg/dL	0.6 - 1.2 mg/dL

**BY DATE**

DATE	RESULTS
01/01/2018	100
02/01/2018	100
03/01/2018	100
04/01/2018	100
05/01/2018	100
06/01/2018	100
07/01/2018	100
08/01/2018	100
09/01/2018	100
10/01/2018	100
11/01/2018	100
12/01/2018	100

**PRESCRIPTION**

Patient ID: 132-54/B  
DOB: 01/15/1954

HC 291873  
Order #: 132548  
Date: 12/01/18

TT: 07 500mg Tablet Sustained Release 24HR

Sig: 1 Tablet(s) 500mg by mouth once daily  
Qty: 30 Tablet(s)  
Refills: 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	Infinity	Polling / Block
o	o	o	o	o	o	o	o	GE Healthcare	Datex-Ohmeda	N/A
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Masimo	Patient SafetyNet System and Iris Gateway System	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Mindray	BeneVision	Polling / Block
x	x	x	x	x	x	x	o	Nihon Kohden	BSM-4100K (v01-30 or later)	Polling
x	x	x	x	x	x	x	o	Nihon Kohden	BSM-5100K (v01-30 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-9101K (v12-06 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-6000K (v02-10 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Philips	IntelliVue (IntelliBridge)	VueLink Open / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Philips	IntelliVue (VueLink)	VueLink Open
o	o	o	o	o	o	o	o	Schiller	ARGUS	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	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	AGFA	ORBIS	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Ascom	Digistat Suite	Polling / Block
(✓)	(✓)	o	o	o	o	o	o	B-Simple	B-ICU.Care	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Oracle Healthcare	CareAware	Polling / Block
(✓)	(✓)	o	o	o	o	o	o	Chipsoft	CS-ECIS (Electronic Care Information System)	Polling
(✓)	(✓)	(✓)	(✓)	o	o	o	o	Clinicomp	EHR	Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	HIM	QCare	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Copra System	Copra	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Dräger	Integrated Care Manager (ICM)	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	GE Healthcare	Centricity Critical Care	Polling / Block
(✓)	(✓)	o	o	o	o	o	o	GE Healthcare	Unity Network ID	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	iMDsoft	MetaVision	Polling / Block
o	o	(✓)	(✓)	(✓)	(✓)	(✓)	o	IMESO	ICUData	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	LOWTeq	LOWTeq-PDMS intensive care	Polling
(✓)	(✓)	o	o	(✓)	o	o	o	Philips	ICCA (former ICIP Release D.03)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	PICIS	Picis Critical Care Manager	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Precept Health	ICU Care	Polling / 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	o	o	o	o	o	o	o	Extension Healthcare	Extension Engage	N/A
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Masimo	DeviceConX	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Philips	IntelliBridge	VueLink Open / 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.

# Connectivity between EHR/EMR/PDMS and middleware

EHR/EMR/PDMS system	Middleware					
	Bridge-Tech Medical	Capsule Technologie	Cardiopulmonary Corp.	CareTrends	NANTHEALTH iSirona	Nuvon
Allscripts	o	o	o	o	(✓)	o
CPSI	(✓✓)	o	o	o	o	(✓)
Ecare NEBO	o	o	o	o	o	o
Eclypsis (Allscripts)	(✓✓)	o	o	(✓)	o	(✓)
Epic	(✓✓)	(✓✓)	o	(✓)	(✓)	(✓)
HMS Ambulatory Care	(✓✓)	o	o	o	(✓)	o
McKesson	(✓✓)	(✓✓)	o	(✓)	o	(✓)
MEDITECH	(✓✓)	(✓✓)	o	(✓)	(✓)	(✓)
Medsphere Open Vista	o	o	o	o	o	o
Orion	o	o	o	o	o	o
Siemens Sorion	(✓✓)	(✓✓)	o	o	(✓)	(✓)

(✓✓) Connectivity between EHR/EMR and middleware, as well as between middleware and Hamilton Medical device.

See the table Connectivity solutions middleware on the previous page.

(✓) EHR/EMR should be able to communicate with middleware. The accuracy of this information is not validated by Hamilton Medical.

o Contact the middleware 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	Mallinckrodt Pharmaceuticals	IN0max DSIR	Polling
(✓)	(✓)	(✓)	(✓)	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

- (✓) 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

Michel Smits  
Customer Success Manager  
Hamilton Medical

[m-smits@hamilton-medical.com](mailto:m-smits@hamilton-medical.com)