GE HealthCare

Data output quick reference guide

Carestation™ 850 series

Anesthesia Delivery System
Datex-Ohmeda Com 1.2

Setup data response

Field
Soft rev
Language
Alarm loudness
Altitude setting
Drive gas
Model number
Serial number
Service pack number

Measured data response

Field
TV_{exp}
MV_{exp}
RR total
Circuit O_2 (internal)
P_{peak}
P_{plat}
P_{mean}
MV_{exp} spont
RR spont
$PEEP_i$
Compliance

Carestation 850 anesthesia workstation shown with Carescape Canvas™ and Carescape ONE monitors

Carestation 850 electrical interface

RJ45 serial connector cable:
- Pin 3 – receive data
- Pin 6 – transmit data
- Pin 4 – signal ground

Baud Rate: 19.2K

Byte format: Start bit + 7 data bits + parity bit + stop bit

Parity: odd

Measured data response *(continued)*

Field
R_{aw}
Pressure units
Flow units
TV_{exp} spont
TV_{Insp}
MV_{Insp}
$PEEP_{e}$
$PEEP_{e+i}$
Ambient pressure
FiO_2
EtO_2
$FiO_2 – EtO_2$
$FiCO_2$
$EtCO_2$
$RRCO_2$
FiAA
EtAA
AA id
FiAA 2nd
EtAA 2nd
AA id 2nd
FiN_2O
EtN_2O
MAC
CO_2 units
O_2 supp pres
N_2O supp pres
Air supp pres
O_2 cyl pres
O_2 cyl pres 2nd
N_2O cyl pres
Air cyl pres
O_2 meas flow
N_2O meas flow
Air meas flow
P_{aw} source
Flow source

Measured data response *(continued)*

Field
O_2 source
Insp time
Exp time
I:E (1:xx.xx)

Measured data status

Field
New breath/10sec data

Settings

Field
Set TV
Set RR
Set I:E (1:xxx.x)
Set Insp Pause %
Set PEEP
Set P_{max}
Set P_{insp}
Set Hi MV_{exp} alm
Set Lo MV_{exp} alm
Set Hi TV_{exp} alm
Set Lo TV_{exp} alm
Set Hi FiO_2 alm
Set Lo FiO_2 alm
Set vent mode
Set O_2%
Set Psupp
Set Hi RR alm
Set Lo RR alm
Set apnea delay
Set patient type
Set patient weight
Set rise rate
Set flow trigger
Set trigger window
Set end flow
Set Tinsp

Settings *(continued)*

Field
Set mech RR
Set PSV backup delay
Set Hi $EtCO_2$ alm
Set Lo $EtCO_2$ alm
Set Hi $FiCO_2$ alm
Set Hi EtAA alm
Set Lo EtAA alm
Set Hi FiAA alm
Set Lo FiAA alm
Set fresh gas flow
Set balance gas
Set flow sensor type
Set circuit type
Set gas control mode

Setup data status

Field
New setting/10 sec data
New alarm/10 sec data

Status data

Field
High circuit O_2
Low circuit O_2
Replace O_2 Cell
O_2 cell calibration error
High P_{aw}
Low P_{aw}
Sustained P_{aw}
Sub-atmospheric P_{aw}
No pressure cntrl/PEEP
Gas module (MGAS) apnea
Inspiration stopped
Other priority alarms
Low MV_{exp}
High MV_{exp}
Low TV_{exp}

Status data *(continued)*

Field
High TV_{exp}
TV not achieved
Volume apnea
Apnea > 2 min
No inspiratory flow sensor
No expiratory flow sensor
Inspiratory reverse flow
Expiratory reverse flow
Check flow sensors
TV_{insp}/TV_{exp} mismatch
System leak
Bellows empty
Flow valve failure
Patient circuit leak
Circuit leak silenced
12 hours test
Aux gas blocked
No O_2 Pressure
CPU failure
No N_2O Pressure
No air pressure
Low drive gas pressure
Low EtO_2
High EtO_2
Low FiO_2
High FiO_2
Low RR
High RR
Memory (EEPROM) failure
Memory (flash) failure
Flow sensor cal data corrupt
CO_2 apnea
Low $EtCO_2$
High $EtCO_2$
High $FiCO_2$
Low EtAA
High EtAA

Status data *(continued)*

Field
Low FiAA
High FiAA
Scavenging flow too high
Scavenging flow too low
Replace flow sensors
On battery (no AC)
No battery
Low battery (no AC)
Gas module (MGAS) warming up (5 min)
Battery Failure
Battery charger failure
Non circle selected
Exp flow w/non circle
Gas module (MGAS) warming up (2 min)
Control settings failure
Aux O_2 + Air selected
Vol comp locked
Mech ventilation on
O_2 flush stuck
Apnea detect on
Increase Low MV_{exp} limit
Standby on
Service calibrations due
Therapy comp failure
Mixer failure
Fan failure
Power supply failure
AltO_2 on
Air Only mode on
Vent failure
Mech vent disabled
Gas module (MGAS) failure
Gas module (MGAS) outlet occluded
Gas module (MGAS) replace water trap
Gas module (MGAS) smpl ln blckd
Gas module (MGAS) check water trap
Gas module (MGAS) not compatible

Status data *(continued)*

Field
Backup mode active

Waveform data

Field
1st waveform block
2nd waveform block
3rd waveform block
4th waveform block
5th waveform block
6th waveform block
Breath end/start index

Test data response

Field
Date stamp (yyyymmdd)
Time stamp (hhmm)
Time stamp (ss)
Circuit check date (yyyymmdd)
Circuit check time (hhmm)
Vent check date (yyyymmdd)
Vent check time (hhmm)
Gas control check date (yyyymmdd)
Gas control check time (hhmm)
Compl check date (yyyymmdd)
Compl check time (hhmm)
Des consump case
Iso consump case
Sevo consump case
O_2 consump case
N_2O consump case
Air consump case

Test status

Field
Quick check result
Vent check result
Mixer check result
Compliance check result

Not all products or features are available in all markets.

Full product technical specifications are available upon request. Contact a GE HealthCare Representative for more information.

Please visit www.gehealthcare.com

Data subject to change.

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Carestation 850/850c Anesthesia Delivery System

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