Data sheet
Base Primea

orchestra®

Easy to use and exceptionally versatile, Base Primea enables simultaneous control of both the hypnotic and analgesic effects in TCI.

As with every product in the Orchestra range, the modular design of Base Primea and its centralised communication role mean it can be tailored to suit your individual needs.

FRESENIUS KABI

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BASE PRIMEA

TCI MODES	
INFUSION MODES	TCI effect (targets the concentration at the effect site), TCI Plasma (targets plasma concentration), TCI View
CHANNELS NUMBER	2 channels in TCI, available channels: 8 (up to 16).
DRUGS IN TCI	Propofol - Sufentanil - Remifentanil - Alfentanil (option).
PHARMACOKINETIC MODELS	Propofol: Marsh and Schnider. Sufentanil: Gepts. Remifentanil: Minto. Alfentanil: Scott.
DRUG DILUTION IN TCI	Propofol: 1 and 2 %. Sufentanil: 5 ug/ml max. Remifentanil: 50 ug/ml max. Alfentanil: 500 µg/ml max.
TARGET CONCENTRATION	Propofol: 0 to 15 ug/ml. Sufentanil: 0 to 3 ng/ml. Remifentanil 0 to 20 ng/ml. Alfentanil: 1 to 500 ng/ml.
ADJUSTABLE PARAMETERS IN TCI	Time to reach the plasma target (in TCI plasma mode): Flash or adjustable from 1 to 60 min. Maximum value of the plasmatic concentration (in TCI effect mode). Maximum flow rate of infusion (up to 1200 ml/h). Loading dose + maintenance.
STANDARD INFUSION MODES	
AUTOMATIC 2 CHANNEL RELAY	Coupling mode for Module DPS to preserve infusion continuity for short acting drugs.
ADDITIONAL INFUSION MODES FOR MODULE DPS	Pre-programmed bolus. Loading dose + maintenance. Induction + maintenance.
MODULE DPS PROGRAMMING	Ml/h. Dose rate: • Rate units: en ng, µg, mg, mU, U, kU, mmoles, moles, mcal, cal, kcal, ml; per 24 hours, hour or minute; weight pondered or not. • Dilution units: ng/ml, µg/ml, mg/ml, U/ml, kU/ml, mmoles/ml, moles/ml, kcal/ml, cal/ml, moles/ml. • Bolus units: en ng, µg, mg, g, mU, kU, U, ml, cal, kcal, mmoles, moles, weight pondered or not.
DRUG LIBRARY ACCESS FOR MODULE DPS	List of 150 drugs, pre-defined protocols with default, minimum and maximum values for the rate, the concentration, the bolus dose and the loading dose. Possibility to enter specific comments. PC configuration software: Vigilant Drug'Lib.
INFUSIONS FOLLOW UP	
TCI MODE DISPLAYS	• Trends of plasmatic concentration and effect site concentration. • Values of plasmatic concentration and effect site concentration. • Flow rate profile corresponding to a plasmatic or effect site target. • Syringe pump flow rate in ml/h and dose rate. • Volume and dosis totaliser since the beginning of induction. • Dose to be infused in the next 15 minutes.
GLOBAL DISPLAY	Infusion status for 8 infusion channels (ml/h and dose rate). Dose and infused volume.
MODULE DPS PRESSURE MONITORING	Infusion pressure trends. Occlusion pressure alarm and pre-alarm adjustment.
HISTORY RECORD	• Plasmatic and effect site concentrations graphs. • Infused dose summary per drug. • Event log per drug. • Flow rate and volume graphic displayed by drug. • Possible display of several patients (up to 96 h of anaesthesia recorded). • Fluid balance.
INFUSION CONTROL ALARMS	• Alarms and pre-alarms due to infusion dysfunction. • Two channels relay pre-alarm. • Module disconnection. • Check of infused volume by Module DPS in TCI mode.
PATIENT DATA	
TCI MODE	• Name, first name, bed number, identification number. • Age: from 1 month to 150 years old ; from 15 up to 100 years in TCI. • Weight: from 500 g to 250 kg ; from 30 kg to 150 kg in TCI. • Gender / height / body surface / body mass index (BMI).
COMMUNICATION INTERFACE	
DIRECT PRINTING FROM SCREENS	Trends, Events by drug.
COMMUNICATION INTERFACE	1 Insulated RS232 output serial connector for data exchange to PDMS or printer. 2 Non insulated RS232 input/output serial connector for Base A and DPS/MVP modules data exchange. Ethernet network connexion through specific insulated cable for Vigilant Supervision.
TECHNICAL SPECIFICATIONS	
MAINS SUPPLY	From 95 to 240 Vac - 50/60 Hz.
BATTERY	Lead battery 1.1/1.2 Ah - 1 hour minimum autonomy.
DIMENSIONS / WEIGHT	H 7,5 x W 32 x D 30 cm / ~ 2,6 kg.
COMPLIANCE, STANDARDS	Complies with the 93/42 EEC: European Medical Device Directive. EN60601-1, EN60601-1-1, EN60601-1-2, EN60601-1-4 and EN60601-2-24.
CONFIGURATION	PC configuration tools.
WATERPROOFNESS	Protection against splashing liquid: IP 34.
ELECTRICAL SAFETY	Protection against leakage current: type CF equipment. Protection against electric shocks: class II equipment.
TECHNICAL ALARMS	Mains supply alarm, battery alarm. Functioning light for external communication. RS232 interface alarm, netware problem, overload. Technical malfunction alarm.

Due to our policy of continuous product development as well as changes in standards, the features described are subject to change. Please contact us for current situation.

Orchestra

Infusion Workstation composed of Bases and Infusion Modules adapted to every clinical practice.

Module DPS
Modular Syringe Pump

Module DPS Visio
Modular Syringe Pump

Module MVP
Modular Volumetric Pump

Base A
Data concentrator

Base Intensive
Unique 2 channel relay function, Customised drug library, Infusion history management.

Base Primea
Simultaneous control of both hypnotic and analgesic effects in TCI.

Orchestra Mobile stand
Whatever may be the architecture of your department, Orchestra Mobile Stand provides the choice of customised accessories.

Disposables
A wide range for use with Module DPS and Module MVP. Catalogue is available from our Customer Service.

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