

meta control 3000

The complete cardiopulmonary functional analysis in one system



- heart insufficiency
- assessment
- pulmonary arterial hypertonia
- clarification of an unclear dyspnoea
- prevention examinations / check-ups
- metabolic syndrome
- training advice / lifestyle intervention
- resting / stress ECG
- measurement of the metabolic rate
- spirometry



FREELY CONFIGURABLE

META CONTROL 3000

For cardiopulmonary diagnostics combine spiroergometry and ECG with a wide range of peripherals.

The standard scope of delivery includes the spiroergometer METALYZER® 3B or METAMAX® 3B, a custo med 12-channel ECG, the application programmes MetaSoft® Studio and custo diagnostic as well as the rolling cart CORTEX mobile PLUS. Numerous useful additions such as the SpO₂ module for measuring oxygen saturation, a PC workstation and the CORTEX bike M are offered as optional equipment. Please refer to the table on the reverse to see the entire scope of delivery and all additional options.

RELIABLE RESPIRATORY GAS ANALYSIS

For successful spiroergometry it is very important that the mask fits perfectly and is fixed tightly. To ensure optimum fitting, the breathing mask sets are available in various sizes and fits for adults and children.

MEASURING BLOOD PRESSURE AUTOMATICALLY*

You have the option to automatically measure your blood pressure – by using e.g. the SunTech Tango M2 monitor.



ERGOMETERS AND TREADMILLS*

The bike M* product of CORTEX is an ergometer especially designed for medical purposes and sports medicine usage. Further products are available on request. Thanks to various software interfaces all CORTEX systems can be combined and linked to ergometers and treadmills of renowned manufacturers. If needed and on request, we offer individual solutions based on other devices and equipment.



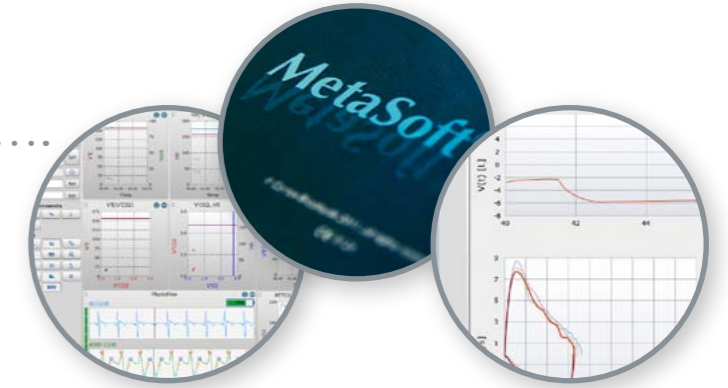
MEASURING CARDIAC OUTPUT NON-INVASIVELY*

PhysioFlow® Enduro™ is a portable non-invasive device used to measure the heart volume (cardiac output) while under physical strain.



INDIVIDUAL SOFTWARE EXTENSIONS*

The various software extensions of MetaSoft® Studio allow an easy and user-friendly handling of the daily test routines. If the focus is on a fast and reliable analysis of medical data, then benefit from Wasserman's principles of interpretation or conduct pre-operative risk assessments – these are very useful tools. MetaSoft® Studio offers numerous export possibilities and interfaces for an easy and safe data transmission in spreadsheet applications and information systems for medical practices and / or hospitals.



MONITORING THE CARDIAC FUNCTION*

Numerous ECGs and heart rate monitors can be added to the spiroergometric system. CORTEX recommends for example the following products:

custo cardio 300 BT, 200 BT, 100 BT
3-channel ECG set for METAMAX® 3B
1-channel ECG set for METAMAX® 3B
Polar® heart rate sensor set H7
and various other ECGs

Recommended product:
Comprehensive solution meta control 3000

ALL MODULES SMARTLY INTEGRATED

The rolling cart CORTEX mobile PLUS offers sufficient room for all testing tools and computer equipment. When using the mobile spiroergometer METAMAX® 3B, CORTEX delivers an appropriate holder for the meta control 3000 device.



CALIBRATING RELIABLY

To ensure optimal and long-term operability of the spiroergometric systems, CORTEX offers according calibration sets. The sets allow the user to calibrate the gas, volume and pressure sensors himself on a regular basis in a cost-efficient way.



Product videos in our film library:
cortex-medical.com/Media-Library.htm

SCOPE OF DELIVERY AND OPTIONAL EQUIPMENT META CONTROL 3000

	with METAMAX® 3B and custo cardio product line	with METALYZER® 3B and custo cardio product line
• included	•	•
○ available as option	○	○
— not available	—	—
SmartControl	1/1/○	1/1/○
Face masks (S, M, L) with adaptor	○	○
Face masks (Petite, XS, XL; children masks) with adaptor	•	•
Volume transducer	•	•
Sample line, 0.60m / 2m	•	•
Special sample line (dryer)	○	○
Heart rate sensor set POLAR® H7	•	•
Long Range Bluetooth® receiver	•	•
MaxSport jacket set, incl. 2 jackets (S, L)	○	○
Back carrying system	○	○
Calibration kit professional	•	•
METAMAX® 3B tray for CORTEX mobile PLUS	•	•
Internal battery / power supply	○	○
GPS kit	○	○
PhysioFlow® Enduro™	○	○
12-/3-/1-channel ECG	•/○/○	•/○/○
Oximeter SpO2 module	○	○
Blood pressure module Tango M2 / ergometer / others	○	○
Stationary kit MMX (power supply, sample line, extension cable)	•	•
Ergometer CORTEX bike M / others / treadmills	•/○/○	•/○/○
Cart CORTEX mobile PLUS	•	•
Spirometry with mouthpiece, nose clip and filter	○	○
PC workstation, incl. 2x19" screens, holders	○	○
CORTEX Service Package*	○	○

* The CORTEX Service Package contains: reserve sensors, gas bottle, additional parts, extension of warranty up to 3 years.

SOFTWARE EXTENSIONS

- Performance Assessment
- Exercise Scheduler
- meta control 3000 incl.
- ECG Interface
- Spirometry
- Integrated 1-/3-channel ECG
- Metabolism for CPET
- Basal Resting Metabolic Rate
- Pre-operative Risk Assessment
- HL7 Interface
- Network license incl.

THE UNIVERSAL INTERFACE TO NUMEROUS PERIPHERALS:

BICYCLE / ARM ERGOMETER AND TREADMILLS

- more than 80 devices of all leading manufacturers, for example Ergoline, Cyclus2, Lode, h/p/cosmos, Woodway
- individual connection of further devices (upon request)

PULSE OXIMETERS

- Nonin 4100 Bluetooth® among others

BLOOD PRESSURE DEVICES

- SunTech Tango M2 among others
- in built BP module (ergometer)

HIS / PRACTICE SOFTWARE

- HL7

MICROSOFT EXCEL EXPORT

Excel (unlimited number of freely definable templates)

12-CHANNEL ECG SYSTEMS

- custo med
- Mortara Xscribe M12A-USB
- Spacelabs Sentinel
- Norav PC ECG
- GE CardioSoft, CASE
- Fukuda Stress ECG
- Schiller SDS-104
- Welch Allyn Cardio Perfect
- Medset PADS Y
- AmedTec ECG Pro
- Dr. Schmidt Smartsoft
- Micromed Elite
- and others



Your contact person:

PLEASE CONTACT US!

We will be glad to be of assistance.

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