

h/p/cosmos performance

diagnostics "science"

h/p/cosmos venus 4.0 200/75



[ Illustration non-binding ]

medical

pos.	order number	product description	price
01	cos09001050000	Running machine h/p/cosmos venus 4.0 200/75 Running surface 200 x 75 cm, Speed 0 ... 40 km/h, Elevation -35 ... +35 %, Drive motor 5.5 kW with high-performance 3-phase power supply, external control unit with user terminal, 2 interface ports COM1 & COM2 for PC-, ECG, Ergospirometry-, Blood-pressure system or printer	
02	cos14190	Detachable handrails, long/short	
03	cos00097010035	2 Interface cable RS232, 10 m	
04	cos10171	Safety arch with chest belt and harness	
05	cos14825	h/p/cosmos sirius lactate test meter Measurement within 15 seconds, storage of 250 values, interface for the PC (cable optional)	
06	cos14827	h/p/cosmos sirius lactate test strips, box with 72 test strips plus control-solution	
07	cos11657	Startset consumables „lactate“ - incl. Latex gloves, size M, box with 100 pieces [cos11351], Kidney-dish, plastic [cos11355], Disinfectant spray, 250 ml [cos11352], Disposable lancets, sterile, box 200 pieces [cos11652], Plaster, box 420 pieces [cos11356], Swabs, 1000 pieces [cos11353], MEDI-Box (lancets collector) [cos11930]	
08	cos14708	Software h/p/cosmos para analysis 2.0 "professional" - sports medical evaluation software with integrated treadmill control software and training plan	
09	cos14970	h/p/cosmos satellite PC med - medical PC mini-tower according to IEC 60601-1, Windows XP incl. 19" LCD Monitor, keyboard, mouse, CD-ROM writer, FireWireCard, colour laser printer and PC-trolley	
10	cos10223	Potential equalization cable, 5 m (required for medical systems)	
11	cos10179	Transport and installation (assembled or part-assembled), instruction included	

System h/p/cosmos performance diagnostics "science"

E & OE. Subject to alterations without prior notice. System- and Software-training as well as workshops on request. Special accessories and custom made running machines for special applications on request. Manufacturer: h/p/cosmos sports & medical gmbh, Am Sportplatz 8, DE 83365 Nussdorf-Traunstein / Germany, phone + 49 / 8669 / 86 42 0, fax + 49 / 8669 / 86 42 49  
sales@h-p-cosmos.com [www.h-p-cosmos.com](http://www.h-p-cosmos.com)

running machine: h/p/cosmos venus 4.0 200/75  
treadmill ergometer with user terminal (display & keyboard)  
stand-alone & remote control via RS232

applications: running for sports, sports science, sports medicine, diagnostics

running surface: length 200 cm / 78.7", width 75 cm / 29.5", access height 48 cm  
- special size on request  
- shock load reduction for the joints  
- belt surface with non slippery material  
- max. permissible load: 280 kg (619 lbs)

speed range: 0 ... 40.0 km/h / 0 ... 1 1.1 m/sec. / 0 ... 25.0 mph)  
special speed up to 50 km/h on request

acceleration: 7 levels (in 3...131 sec. from 0 to max. speed) also for deceleration  
elevation: -35 ... 35 % (0...19°) adjustable electr., resolution 0.1%  
special elevation on request, electronic motor break system prevents from accelerating when running at max. elevation

running direction: switch for reversing running belt direction,  
safety-harness required for reverse

motor system: 5.5 kW (7.0 HP) 3-phase A.C. motor (maintenance free)

power transmission: Poly-V-Belt drive (very quiet operation)

safety systems: CE0123, MDD, Guideline 93/42 EEC for med. devices  
IEC EN 60335-1 (VDE 0700); IEC EN 60601-1 (VDE 0750)  
IEC EN 60601-1-2 (EMC approval); IEC EN 60601-1-4  
VDE 0701; VDE 0751; EN 957-1; EN 957-6;  
emergency-off-switch (mains cut), Potential-Equalization  
Transformer for Potential-Isolation from the mains.

display(resolutions): 6 LCD displays, 4 LED for operation mode,  
20 LEDs for display of units & profile no. & steps, etc.  
speed (0.1 km/h or m/sec or m/min or mph), time (00:00)  
in hours, minutes & seconds, elevation (0.1% / °)  
distance (1 meter ... 999.9 km or miles), METS (1 MET)  
program step/number, energy (1 kJ/kcal), fitness index(1)  
power (1 Watt), heart rate (1 bpm/beat per minute)

heartrate monitoring: POLAR wireless, 3-channel receiver-network,  
ECG-accurate, measuring & display beat to beat

heartrate control: automatic control of speed & elevation according  
to programmed target heart rate („cardio mode“)

interface digital: 2 x RS232 COM1 + 2 incl. PC-, coscom-, Blood-Pressure-Monitor-,  
ECG-, Ergospirometry-, -series printer protocol, USB adapter optionally

programs: 20 programs / profiles  
- 6 exercise profiles (scalable, 131 variations)  
- 10 test profiles (UKK Walktest, Cooper, Conconi, Graded Test etc.)  
- 4 free defineable profiles, 10 steps each

free PC software: h/p/cosmos para control for display & remote control.  
h/p/cosmos para graphics for monitoring, recording & control  
incl. 1 RS 232 interface connection cable 5m

colour of frame: grey aluminium RAL 9007 (powder coated),  
other colours available on request

handrails: steel tube handrails on both sides, frontbar handrail

voltage supply: 380/420 Volt, 50/60 cycles (Hz), 3 phase AC, 20 Amps  
special voltage supply available on request

size of frame: length 240 cm / 94.5", width 115 cm / 45.3", height 134 cm / 52.8"

external control unit: depth 48 cm / 18.9", width 80 cm / 31.5", height 100 cm / 39.4"

weight: approx. 800 kg / 1770 lbs



[ external control unit with user terminal ]



[ detachable handrail ]

Authorised h/p/cosmos dealer

Further details and accessories on request. E & OE. Subject to alterations without prior notice.