

## h/p/cosmos performance diagnostics

h/p/cosmos quasar med 4.0



[ Illustration not binding ]

pos.	order number	product description	price
01	cos03001100000	Running machine h/p/cosmos quasar med 4.0 Running surface 170 x 65 cm, Speed 0 ... 25 km/h, Elevation 0 ... 28 %, Drive motor 2,2 kW, Interface port COM1 for PC, ECG, Ergospirometry-, Blood-pressure system or printer	
02	cos00098010025	2. Interface port COM2 for PC, ECG-, Ergo-spirometry-, Blood-pressure monitor or printer	
03	cos00097010035	2 Interface cable RS232, 10 m	
04	cos10170	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, Windows XP incl. 19" LCD Monitor, keyboard, mouse, CD-ROM writer, FireWireCard, colour laser printer and PC-trolley, medical PC according to MDD & IEC 60601-1	
10	cos10223	Potential equalization cable, 5 m (required for medical systems)	
11	cos10179	Transport in cardboard box (assembled or part-assembled), installation & instruction included	

### System h/p/cosmos performance diagnostics „sports“

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

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running machine:	h/p/cosmos quasar med 4.0 treadmill ergometer with user terminal (display & keyboard), stand-alone & remote control via RS232
applications:	running for sports, sports medicine, cardiology, stress tests & medicine
running surface:	length 170 cm / 66.93", width 65 cm / 25.59", access height 22 cm - special size on request - shock load reduction for the joints - belt surface with non slippery material - max. permissible load: 200 kg / 440 lbs
speed range:	0 ... 25.0 km/h / 0 ... 6.9 m/sec. / 0 ... 15.5 mph special speed up to 40 km/h on request
acceleration:	7 levels (in 3 ... 131 sec. from 0 to max. speed), also for deceleration
elevation:	0 ... 28 % (0 ... 15.6°) adjustable electr., resolution 0.1 % (-28 % ... +28 % when using the reverse belt rotation) special elevation on request, electronic motor break system prevents from accelerating when running at max. elevation
running direction:	switch for reversing running belt direction, (option extra charge) safety-harness required for reverse
motor system:	2.2 kW (3.0 HP) 3phase 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: 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 (1kJ/kcal),fitness index(1) power (1 Watt), heart rate (1 bpm/beat per minute)
heartrate monitoring:	POLAR wireless, 1-channel receiver, ECG-accurate, measuring and display beat to beat
heartrate control:	automatic control of speed and elevation according to programmed target heart rate („cardio mode“)
interface digital:	1 x RS232 COM1 incl. PC-, CosCom-, Blood-Pressure-Monitor-, ECG-, Ergospirometry- & series printer protocol (optional 2nd RS232 interface COM2: extra charge)
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.
software:	h/p/cosmos para graphics & para analysis. (extra charge) PC software for monitoring, recording & control
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:	220/240 Volt, 50/60 cycles (Hz), 1 phase AC, 15 Amps special voltage supply available on request
size of frame:	length 230 cm / 90.55", width 105 cm / 41.34", height 146 cm / 57.47"
weight:	approx. 380 kg / 836 lbs

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Authorised h/p/cosmos dealer