



# Cycle Ergometers

Cardiorespiratory Exercise Stress Testing



**The Corival cpet Cycle Ergometer** is specifically designed for cardiopulmonary exercise stress testing and rehabilitation.

#### CORIVAL CYCLE ERGOMETER

Low step-through height provides easy access for all individuals. Optional features include the pediatric adaptation for shorter patients, large saddle and low start-up load

#### FEATURES

- Braking principle: Eddy current e
- RPM independent 30-150 (r.p.m.)
- 3.5" digital readout of Watts and RPM
- Accuracy r.p.m.: ±2% at full scale
- Workload range:  
Adjustable 7-1000 W
- 750-1000 W Peak load



**The Excalibur Sport** is ideal for both aerobic and anaerobic training and assessment.

#### EXCALIBUR SPORT

The ergometer is speed independent up to 180 r.p.m. with a constant workload up to 1300 W and up to 2000 W during Wingate testing. Both racing saddle and handlebars offer a variety of position options for optimal performance.

#### FEATURES

- Braking principle: Eddy current
- Workload and RPM display
- Racing saddle, handlebars and toe clips are standard
- Wingate up to 2000 Watts
- Workload Programmer

SIMPLE TO ADJUST. QUICK AND EASY POSITIONING.



## SPECIFICATIONS

### CORIVAL CPET

#### ACCURACY & RANGES

- Work Load Range 7 to 750 W; 1000 W peak
- Work Load Accuracy: <100 W  $\pm$  3 W  
100 to 500 W 3%; 500 to 1000 5%
- RPM Independent 30 - 150

#### COMFORT

- Q-factor: 180 mm
- Handlebar adjustment angle: 360°
- Adjustability range seat: 11.8" (300 mm)
- Minimum leg length user: 25.4" (645 mm)

#### DIMENSIONS AND WEIGHTS

- (L x W x H) 41.3" (105 cm) x 18.1" (46 cm) x 44.9" (114 cm)
- Net weight: 138.9 lbs (63 kg)
- Maximal subject weight: 396.8 lbs (180 kg)

#### ENVIRONMENTAL CONDITIONS DURING USE

- Temperatures: 14° - 40°C (57° - 140°F)
- Humidity: 30% - 90% at 25° - 40°C (77° - 104°F) non condensing

#### ELECTRICAL POWER REQUIREMENTS

- 100 - 240 V 50/60 Hz (160 Watt)
- Power consumption: 75 VA

#### STANDARDS & SAFETY

- ISO 9001:2003, ISO 13485:2008
- RoHS/WEE compliant
- FDA 510K certified
- MDD 93/42/EEC
- IEC 60601-1

#### OPTIONS

- Programmable controller
- Blood Pressure Monitor
- Heart rate signal
- Zero watt start
- Pediatric seat, cranks and pedals
- Large saddle

### EXCALIBUR SPORT

#### ACCURACY & RANGES

- Work Load Range: 8 to 1500 W
- Wingate up to 2500 W
- RPM Independent 25 to 180
- Work Load Accuracy: < 100 W  $\pm$  2 W,  
100 to 1500 W  $\leq$ 2% >1500  $\leq$ 5%
- RPM Accuracy: Analog meter <2% full scale LCD Work Load Programmer  $\pm$  1 r.p.m.
- RPM Range: Analog meter (0 to 180 r.p.m.)
- Digital LCD on Work Load Programmer (0 to 255 r.p.m.)

#### DIMENSIONS AND WEIGHTS

- 130 cm (51.2") x 70 cm (27.6") x 89 cm (35")
- Net weight: 100 kg (220lbs.)
- Maximal subject weight 180 kg (396lbs.)

#### ENVIRONMENTAL CONDITIONS DURING USE

- Temperatures: 14° - 40°C (57° - 140°F)
- Humidity: 30% - 90% at 25° - 40°C (70° - 104°F) non condensing
- Barometric Pressure: 70 KPa to 106 KPa (425 - 795 mmHg)

#### ELECTRICAL POWER REQUIREMENTS

- 115/230 (VAC), 50/60 (Hz)
- Power consumption: 25 VA (standby) 85 VA (1000 W Workload)

#### STANDARDS & SAFETY

- IEC-601-1 safety class 1, type B, TUV, BSI, PTB and FDA-510 (K)

#### OPTIONS

- Pedal Force Measurement
- Heart rate signal
- Double connected handlebar
- Zero watt start-up



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