

Specifications of NewLifeBox - R



Flow/Pressure Measurements	
Flow Range	0.024 to 30 L/min (direction sensing)
Mask pressure range	-120 to 120 cmH2O
Accuracy flow measurement*	± 0.012 L/min
Accuracy pressure measurement	< ±1.6 %fs
Linearity flow measurement	< 1% between points
Linearity pressure measurement	< 0.25 %fs (incl. hysteresis error)
Resistance	4.5 cmH2O @ 30 L/min
Dead Space	0.7 ml installed
Frequency Response	Signal attenuation to 0.7 times input @ 17 Hz
Digital Output	Flow, Pressure, Control signal @ 200 Hz sampling rate
Physical	
Part number device / probe	5402001 / 806125
Operating Temperature	10° to 40°C (50° to 104°F)
Operating Humidity	20% - 80% non-condensing
Probe Length	3.5 cm (1.36 in)
Probe Diameter resuscitator side	15 mm OD
Probe Diameter mask side	15 mm ID
Tube Length	121.9 cm (48 in)
Device Connections Front	Flow/Pressure sensor, proprietary lockable connector
Device Connections Rear	Mini-USB (USB 2.0 compatible)
Weight device / probe	0.2 kg / 22 g (0.7 oz)
Size device (w x h x d)	103 x 120 x33 mm
Material device / probe	Aluminium, Polycarbonate / Lexan, Mylar, PVC, ABS
Conformity device / probe	CE, FCC part 15, EN 60601-1-2:2007 / CE 0086
Servicing	
Probe Service Life	Single Patient Use
Device Cleaning	Can be cleaned using normal disinfection solutions (using a damp cloth)
Probe Sterilisation	Non-sterile. May be cold EtO sterilised prior to use.

* Includes ± 1% for linearity and hysteresis with no zero drift for the pressure transducer and ± 2 % for temperature and humidity variations.