

INNOVATION
TECHNOLOGY
EFFICIENCY



LEISTUNG

TURBINE



www.leistungbrasil.com



LUNG VENTILATOR PR5-TT

INITIAL SETTINGS

Patient Parameters:

- Patient: adult; pediatric or neonatal
 - Gender: male, female
 - Height
 - Theoretical weight
 - Volume by weight
- ### Ventilation circuit parameters:
- Interface: tube, cannula or mask
 - Diameter
 - Length
 - Humidifier: active; passive

VENTILATORY MODES

Patient	Type	Ventilatory mode
Adult and Pediatric	Assisted / Controlled	VCV
		PCV
		PRVC
	Spontaneous	PSV/CPAP
	Variable	SIMV(PCV) + PSV
		SIMV(VCV) + PSV
Biphasic		
Oxygen therapy	HFNC	
Neonatal	Assisted / Controlled	PCV
	Spontaneous	PSV/CPAP
		CPAP Nasal
	Variable	SIMV(PCV) + PSV
	Oxygen therapy	HFNC

GENERAL CHARACTERISTICS OF THE MODEL VENTILATOR PR5-TT

ANVISA Registration	80203470014
Medical Device Classification to RDC 185	Class III
Type of protection against electric shock	Class II
Level of protection against electric shock	Type B
Level of protection against harmful water penetration	IP 22
Applied part	Type B e Type BF

ALARMS

Type	Alarm
Programmable	Maximum and minimum inspiratory pressure
	Maximum and minimum tidal volume
	Maximum and minimum minute volume
	Apnea
	Maximum and minimum respiratory rate
	Maximum and minimum continuous pressure PEEP
	Maximum and minimum Oxygen Concentration (FIO2)
Fixed or automatic	Cycle interrupted
	Patient Disconnection
	Proximal sensor disconnection
	Low oxygen pressure
	Power failure
	Low battery
	Microprocessor (Inoperative ventilator)
	Inverted I:E Ratio
Air filter obstructed	

PHYSICAL CHARACTERISTICS

Parameter	Specification	
Dimension	Height	321 mm
	Length	360 mm
	Depth	270 mm
Operation	Weight	6,9 kg
	Temperature	-18 a 50°C
	Barometric pressure	50 a 110 kPa
	Relative humidity (non-condensing)	15 a 95%

ELECTRICAL CHARACTERISTICS

Parameter	Specification	
Input	Voltage-Current	100 a 240 VAC
	Nominal capacity	96 VA
	Output	
Voltage		15 VDC
	Current	6,4 A

INTERNAL BATTERY

Parameter	Specification	
Nominal voltage	12 Vdc	
Nominal capacity	15600 mA	
Type	Lithium battery (Li+)	
Autonomy (at full load and normal use)	6 Hours	
Life cycle	400 a 500 discharges	
Time charging	5 hours	
Charging time to 70% of autonomy	2 hours	

CONNECTION WITH OXYGEN SOURCE

Parameter	Specification	
Connection	DISS male thread	
	9/16 inch	
Pressure	250 - 700 kPa	
Flow	0 to 150 L/min	

CONFIGURABLE VENTILATORY PARAMETERS

Parameter	Specification	Units
Airway pressure: peak	0 a 120	cmH2O
Airway pressure: mean	0 a 120	cmH2O
Airway pressure: base (PEEP)	0 a 120	cmH2O
Inspiratory time	0,1 a 10,0	s
Expiratory time	0,1 a 59,0	s
Ventilatory frequency	1 a 250	c/min
I:E ratio	49:1 a 1:99	-
Ti/Ttot ratio	1 a 98%	%
Peak inspiratory flow	0 a 140	L/min
Peak expiratory flow	0 a 120	L/min
Expiratory Tidal Volume	0 a 9,99	L
Minute volume	0 a 50,0	L
Dynamic Compliance	1 a 999	mL/cmH2O
Leaks	0 a 100	%
Inspiratory resistance	0 a 250	cmH2O/L/m
FIO2	0,21 a 1,00	-

MONITORED PARAMETERS

Airway Pressure: Peak, Plateau, Mean, Base (PEEP)
Inspiratory Time - Expiratory Time
Ratio I: E - Ti / Ttot
Inspiratory and expiratory tidal volume
Peak Inspiratory Flow - Peak Expiratory Flow
Dynamic Compliance
Total and spontaneous respiratory rate
Graphic indicator of spontaneous and controlled cycles
Minute volume inhaled and expired
Oxygen Concentration (FIO2)
Leaks
Volume by theoretical weight (ml / kg)
SPO2 - Pulse Rate (optional)
EtCO2 - CO2 ins (optional)

TRENDS 72 HOURS

Peak pressure
Flow
Tidal volume
Minute volume
Ventilatory frequency
Compliance

GRAPHICS

Time graph	Pressure
	Flow
	Volume
Loops	Flow / Volume
	Pressure / Flow

RANGE OF MONITORED PARAMETERS

Parameter	Specification	Units
Airway pressure: peak	0 a 120	cmH2O
Airway pressure: mean	0 a 120	cmH2O
Airway pressure: base (PEEP)	0 a 120	cmH2O
Inspiratory time	0,1 a 10,0	s
Expiratory time	0,1 a 59,0	s
Ventilatory frequency	1 a 250	c/min
I:E ratio	49:1 a 1:99	-
Ti/Ttot ratio	1 a 98%	%
Peak inspiratory flow	0 a 140	L/min
Peak expiratory flow	0 a 120	L/min
Expiratory Tidal Volume	0 a 9,99	L
Minute volume	0 a 50,0	L
Dynamic Compliance	1 a 999	mL/cmH2O
Leaks	0 a 100	%
Inspiratory resistance	0 a 250	cmH2O/L/m
FIO2	0,21 a 1,00	-

LUNG MECHANICS

Tobin Index

OTHER FUNCTIONS

Alarm History

Last 1000 events with date and time

Self test

Atmospheric pressure compensation
Altitude Compensation
Oxygen cell detection

Other menus

Indicators of hours of use and technical services performed
Language change (Spanish, English and Portuguese)
Adjusting Alarm Sound Volume
Test or change patient circuit
Adjusting Patient Configuration

Illustrative photos only. There may be changes on the technical specifications without prior notice.



LEISTUNG

Leistung Equipamentos Ltda.
202, João Ropelatto St. - Nereu Ramos
Jaraguá do Sul - SC - Brasil
Phone: +55 47 3371-2741
+55 47 99985-2793
E-mail: leistung@leistungbrasil.com
www.leistungbrasil.com

Technical Support
+55 47 99985-6173



In compliance with the standards:
ABNT NBR IEC 60601-1; ABNT NBR IEC 60601-1-2;
ABNT NBR IEC 60601-1-6; ABNT NBR IEC 60601-1-8;
ABNT NBR IEC 60601-1-9; ABNT NBR IEC 80601-2-12
Op. Auth. ANVISA no. GHL3983MX9H2
Anvisa Registration no. 80203470014
Certification GMP ANVISA RDC 16
Certification EN ISO 13485:2016