

Analog display on LCD for easy visualization of changes in pressure!

T.L.F Cuff CE 0120

Cuff inflator

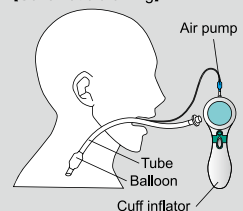


- T-mode** ... When an endotracheal tube is used
- L-mode** ... When a laryngeal mask is used
- F-mode** ... No restrictions

What is a cuff inflator?

It is a device used with an endotracheal tube or tracheotomy tube to check the expansion, contraction and internal pressure of the balloon. When O₂ is supplied with just the tube inserted into the trachea, the oxygen simply leaks out from gaps between the trachea and tube. To prevent this, a balloon is inflated with the appropriate amount of pressure (too much pressure damages the trachea) to close off the gaps and prevent O₂ leakage.

[Schematic drawing]



The cuff pressure gauge checks for appropriate pressure !

Four points to take note of:

1. **Analog display on LCD** for easy visualization of changes.
2. **Installed with backlight** for ease of use even in dark places.
3. **Display changes color** depending on the situation for ease of use.
4. Pressure is controlled appropriately, preventing excess pressure and **protecting the trachea**. The device does not control pressure it inflates/deflates and measures and monitors cuff pressure.

Green: Normal

Blue: Warning **Red: Alert**

It is considerably easier to use and safer compared to traditional, analog cuff inflators!
Can be used even in a dark ICU!

A revolutionary cuff pressure gauge with an evolved digital screen.



Way to take measurements

Product specifications

* Please note that specifications may change without prior notification.

Accuracy of measurements	± 2cmH ₂ O			
Measuring range	T-mode: 0-64cm H ₂ O / L, F-mode: 0-126cm H ₂ O (using laryngeal mask)			
Buttons	Switch, Mode-switching button, bulb, release button			
Pressure control	T-mode	No further pressure can be applied when pressure exceeding 32cm H ₂ O is detected. Pressure can be applied once more through the cuff support when the pressure returns to the 0-32cm H ₂ O range.		
	L-mode	No further pressure can be applied when pressure exceeding 60cm H ₂ O is detected. Pressure can be applied once more through the cuff support when the pressure returns to the 0-60cm H ₂ O range.		
Triggering of buzzer	T-mode	Below range of recommended pressure	Display lights up green as a warning when pressure falls below 22cm H ₂ O (returns to normal when pressure rises above 22cm H ₂ O) The buzzer sounds at 1 second intervals.	
		Recommended pressure range	22-32cm H ₂ O, the LCD turns blue	
	L-mode	Above range of recommended pressure	Buzzer goes off and the display lights up red as an alert when pressure rises above 32cm H ₂ O Returns to normal under 32cmH ₂ O automatically.	
		Below range of recommended pressure	Display lights up green as warning when pressure falls below 50cm H ₂ O (returns to normal when pressure rises above 50cm H ₂ O. The buzzer sounds at 1 second intervals.)	
	F-mode	Recommended pressure range	50-60cm H ₂ O, the LCD turns blue	
		Above range of recommended pressure	Buzzer goes off and the display lights up red as an alert when pressure rises above 60cm H ₂ O (Returns to normal under 60cmH ₂ O automatically.)	
	F-mode	Buzzer goes off and the display lights us red as an alert when pressure rises above 120 cmH ₂ O (returns to under 120 cmH ₂ O automatically)		
	LED	Switched on: LED turns on / Switched off: LED turns off		
Type of display	Displaying of internal pressure	Displayed on an analog meter using segment LCD		
	Resolution	1cm H ₂ O (number of segments on meter: 64 points)(0.09806 [hPa])		
	Mode indicator	An icon is displayed to indicate the mode that the device is in		
	Scale	Scale in T-mode	0-64cm H ₂ O / 1cm H ₂ O increments	
		Scale in L·F-modes	0-126cm H ₂ O / 2cm H ₂ O increments	
	Battery power icon	Good/Low/Flat		
	LCD backlight	Yes		
	Malfunction alarm	LCD backlight turns red when there is a malfunction in the pressure sensor, and the buzzer goes off as a warning.		
Automatic turning off	Enters sleep mode if left untouched (no changes in readings) for more than 1 minute			
Restarting from sleep mode	Device is restarted from sleep mode when the bulb is operated, or a pressurized tube is connected			
Temperature and humidity range during use	10-40 [°C] / 30-85 RH [%]			
Temperature and humidity range for storage	-50-50 [°C] / 10-85 RH [%]			

Manufacturer



2nd Floor, S4 Tower 5-17-1 Kamiochiai, Chuo-ku
Saitama-shi, Saitama, JAPAN 338-0001
Tel: +81-48-857-8026 Fax: +81-48-857-8041 <http://www.icst.jp/>

Agency

