



MEDICCO₂LON

Insufflation made simple



MedicCO₂LON Colonic Insufflator for CT Colonography

The MedicCO₂LON provides automated colonic distension with CO₂ gas for CT colonography procedures.

The MedicCO₂LON produces reliable colon distention while improving patient comfort.

- Large, colour touchscreen LCD
- LED backlight and wide view angle
- Compact, lightweight design
- Simple to operate
- Multilingual interface
- Locking connectors

The MedicCO₂LON features intuitive touchscreen controls for ease of use and reliable performance. With an LED backlit display, measurements of pressure, flowrate and volume are always visible to the operator.

The value of CT colonography (Virtual Colonoscopy) is that it offers an accurate, rapid and minimally invasive means of imaging the large bowel, with the best results being achieved when a patient's colon is optimally distended. If the colon is sub-optimally distended then potentially crucial detail in the colon may be missed or distorted and the procedure may not be as successful for identifying lesions through the entire colon.



To achieve optimal distention, automated CO₂ insufflation is now recommended during CT colonography procedures because it:

- Results in negligible post-procedure discomfort.
- Causes less abdominal cramping than insufflation using room air.
- Is efficient in colorectal cancer patients with or without luminal narrowing.
- Operates at a lower infusion pressure than manual insufflation.



Warranty

All MedicCO₂LON products are supplied with a standard 3 year warranty, lowering the cost of ownership.

With over 25 years experience of supplying medical electronics you can be assured that any problem your MedicCO₂LON unit encounters over its lifetime will be fixed quickly and reliably.



Control	EU/USA Version	Japanese Version
Target Pressure	5 - 30 mmHg selectable in 1mmHg steps	
Pressure Hold	±10% of Target Pressure	
Target Flow	1, 2, 3, 4 LPM selectable	1, 2, 3 LPM
Flow Profile	0.5LPM per 0.5L delivered volume, up to target flow rate	
Volume	12L maximum delivery with optional volume stops at 4, 6, 8 and 10L	
Display	Range	Accuracy
Gas Pressure	0 - 75 mmHg	±1mmHg of displayed value
Gas Flow	0 - 5 LPM	±10% at 3LPM
Gas Volume	0 - 12 L	±20% of displayed value
Pressure Relief	Activation Pressure	Accuracy
Electronic Valve	50mmHg or +10% of Target Pressure for 5 seconds	±1 mmHg
Mechanical Valve	1.5psi (78mmHg nominal)	±15%

Physical	
Size	235 mm x 160 mm x 180 mm (width x height x depth)
Weight	<2.0 Kg
Data Presentation	150mm x 90mm LED Backlit LCD with Resistive Touch Interface
CO ₂ Supply	
CO ₂ Supply Pressure	1.5 - 2.0 Bar Regulated
Gas Supply	Single "C" or "D" size CO ₂ cylinder
Electrical Power Supply	
AC Input Voltage	90 - 260 VAC
Frequency	46-64Hz
Power Consumption	40VA
Fuse Type/Rating	High Breaking Capacity T3.15A 250V
Safety	
Standards	Designed and tested to BS EN 60601-1:2006
Electrical Designation	Class I Type B

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