

# MEDICCO<sub>2</sub>LON



The MedicCO<sub>2</sub>LON device is intended to be used for colonic distension with CO<sub>2</sub> gas for CT colonography procedures. The device should only be used for CT colonography procedures and should not be used for any other patient examination procedure.

MedicCO<sub>2</sub>LON is designed to function with specific colonic insufflation administration sets that allow passage of gas from the device to the colorectal cavity.

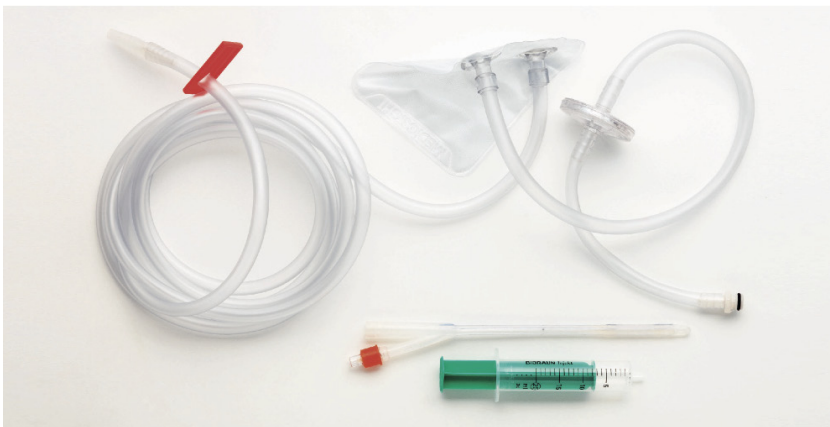
## Device Specifications:

Control	EU/USA Version	Japanese Version
Target Pressure	5 - 30 mmHg selectable in 1mmHg steps	5-25 mmHg
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 <sub>2</sub> Supply		
CO <sub>2</sub> Supply Pressure	1.5 - 2.0 Bar Regulated	
Gas Supply	Single "C" or "D" size CO <sub>2</sub> 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	

<b>Operating</b>	
Ambient Temperature	+10°C to +40°C
Relative Humidity	30 – 70% non-condensing
Ambient Pressure	700 kPa to 1060 kPa
<b>Transit and Storage</b>	
Ambient Temperature	-40°C to +70°C
Relative Humidity	10% to 100%, including condensation
Ambient Pressure	500 kPa to 1060 kPa

**WARNING:** Not to be used in the presence of flammable gases. This unit has not been tested for MR compatibility and should not be introduced into a MR examination suite.

**Accessories:**



<b>Included Accessories</b>	
CO <sub>2</sub> Input Tubing	4mm (OD) Polyurethane Tubing, 2m length
Spanner	30x32mm Open ended spanner for regulator attachment
Pin Index Key	Plastic Key for On/Off control of the Pin Index fitting
<b>Regulator</b>	
Construction	High Pressure Regulator for CO <sub>2</sub> Cylinders with Pin Index Yoke
Output	2 bar preset output, 4mm push fit connection.
<b>Administration Set</b>	
Construction	Single use set with integrated filtration and locking connector
Filtration	0.1 micron PTFE porous hydrophobic filter and effluent bag
Additional Elements	Catheter, Syringe
<b>Catheter</b>	
Type I	230mm (±5mm)
Type II	410mm (±5mm)

**ATTENTION:** The Administration Set is supplied non-sterile. 

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 MedicCO<sub>2</sub>LON is designed and manufactured for Medicsight Inc. by Ultrasound Technologies Ltd.