



DIRECT DIAL FLOWMETER



0-15LPM Direct Dial Flowmeter

INSPECTION

Remove the Direct Dial Flowmeter from the packaging and inspect for damage. If there is any damage, DO NOT USE, and contact Therapy Equipment Ltd.

FUNCTION/INTENDED USE



The Direct Dial Flowmeter should only be used by Hospital personnel authorised to administer gases to a patient.



Read all instructions before using – DO NOT USE the Direct Dial Flowmeter if you do not understand the instructions given in these User Instructions.

The function of the Direct Dial Flowmeter is to provide a calibrated supply of gas to the patient from a regulated gas supply.

The Direct Dial Flowmeter is calibrated to operate from an inlet pressure of 60PSI (4Bar). Care should be exercised to ensure the inlet and outlet pressure are maintained in order to maintain the accuracy of the flowrate.

The unit should be operated and stored in a dry clean environment within the temperature range of -10°C to +40°C. The use of the unit is temperatures outside of these may result in inaccuracy of flow.

USER INSTRUCTIONS

1. Ensure that the Direct Dial Flowmeter is fitted with a tubing nipple, so that the patient tubing can be connected.
2. Connect the Direct Dial Flowmeter into the Oxygen Wall Outlet.
3. If there is any sound of gas hissing, examine for leaks. If leaks are found please return to the manufacturer.
4. Turn the Control Knob in the direction indicated only, and confirm that there is gas flow coming from the tubing nipple
5. Push the Patient Tube over the Tubing Nipple outlet, and adjust the Direct Dial Flowmeter setting to the requisite flow. Do not attempt to set the Direct Dial Flowmeter between defined settings as this will result in either flow inaccuracies or no flow at all.

It is the responsibility of the end user to ensure that the correct unit and flow is selected to suit the patient concerned. Therapy Equipment cannot be held liable to any incorrect selections.

CARE: The unit may become damaged and provide inaccurate flows, if the end-user attempts to force the unit directly from OFF to 15LPM. The flowrates should only be increased by turning the Control Knob in the indicated direction only.

ACCURACY

In accordance with ISO 15002:2008:

Direct Dial Flowmeters supplying flowrates in excess of 0-1 Litres Per Minute (LPM) are supplied to an accuracy of +/- 10% of the indicated value or 0.5-LPM whichever is the greater.

0-1 LPM Direct Dial Flowmeters are supplied to an accuracy of +/- 10% of the full scale

HUMIDIFIERS/NEBULISERS

Humidifiers/Nebulisers maybe used with the Direct Dial Flowmeter however a Right Angled Nebuliser Adapter (5050-17) will be required.

CLEANING INSTRUCTIONS

Wipe over the outside of the unit and the gas supply hose with an alcohol or disinfecting wipe. If you suspect that the unit is contaminated, remove it from use and refer the device to the appropriate department. We do not recommend the use of Detergent Based Hard Surface Wipes.

USE OF ANIMAL TISSUES/PHTHALATES/ANTIMICROBIAL PROPERTY

The Direct Dial Flowmeter Range has not been manufactured using any Animal Tissue or Phthalates. Hose Assemblies when fitted do have an Anti-Microbial Biocidal Property – full details are available on request.

WARNINGS



DO NOT use near sources of ignition. Always follow recommended procedures, including the guidance given in HSE document 'Take Care with Oxygen'



DO NOT use Oils, greases, or any combustible materials on or near this Direct Dial Flowmeter



DO NOT smoke in an area where Oxygen is being administered



DO NOT autoclave



DO NOT attempt to disassemble this product while under pressure



DO NOT attempt to set the Flowrate between settings as this will result in flowrate inaccuracies or no flowrate.



THE PRODUCT does not supply any visual indication of flow

TROUBLESHOOTING

<u>RISK</u>	<u>RISK ANALYSIS</u>	<u>ACTION</u>
Loose Connection/Leaking	Gas escape causing Oxygen environment, and incorrect flowrate from the Direct Dial Flowmeter	<ul style="list-style-type: none"> ◆ Ensure that all connections to the Direct Dial Flowmeter are tight ◆ Refer to manufacturer
Incorrect Scale/Flowrate	Incorrect dosage of Oxygen being supplied	<ul style="list-style-type: none"> ◆ Refer to manufacturer

TECHNICAL SPECIFICATION






Inlet connection	-	3/8" BSP Nut/Nipple or BS Oxygen Probe		
Constitution Materials	-	Body	-	Polycarbonate
	-	Control Knob	-	Polycarbonate
	-	Metering Drum	-	Brass
	-	Inner Probe	-	Stainless Steel

REPLACEMENT PARTS DETAILS

A Full range of spares are available (see Catalogue), however the following are frequently requested:

Bayonet Tubing Nipple Part No. 5050-02-02
 0-15LPM Control Knob Part No. 5050-10-01

EXPLANATION OF SYMBOLS (where used)

	Manufacturer Symbol		Serial No. Symbol
	Year of Manufacture Symbol		Use no oil or grease in the operation/maintenance of the Flowmeter
	EU Authorised Representative		


PREVENTATIVE MAINTENANCE

The unit is supplied with a 7 Year Function warranty, and should be included in an annual service inspection.

Particular care should be exercised to ensure that the internal workings are not exposed to lubricants/grease not recommended by Therapy Equipment Ltd. The Direct Dial Flowmeter should never be disassembled whilst under pressure.

- ◆ The unit should be wiped with an Alcohol or Disinfecting Wipe to clean
- ◆ A check should be made to ensure the unit is damage and leak free.
- ◆ The Direct Dial Flowmeter, particular the low flow ranges should be checked for accuracy, using a flowtube calibrated at atmosphere on an annual basis.

It is estimated that the Direct Dial Flowmeter has a maximum life of 10 years, and should be replaced after this time.

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Revision No.	0	1	2	3	4	5	6	7	8	9	10	11
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