


(Continued on Inside)

- Only personnel instructed and trained in its use should operate this Dial Flowmeter.
- Be sure all connections are tight and leak free.
- Only use oxygen-safe leak detector to test for leaks.
- **DO NOT** autoclave.
- **DO NOT** gas sterilize with (EtO) Ethylene Oxide.
- **DO NOT** clean with aromatic hydrocarbons.
- **DO NOT** immerse Dial Flowmeter in any kind of liquid.
- This will void the warranty.
- **DO NOT** attempt to repair Dial Flowmeter.
- Store Dial Flowmeter in a clean area when not in use.

### CAUTION

- **ALWAYS** confirm prescribed flow before administering to patient and monitor flow on a frequent basis.
- Always follow ANSI and CGA standards for Medical Gas Products and Flowmeters and Oxygen Handling.
- **DO NOT** use oil, greases, organic lubricants or any combustible materials on or near this Dial Flowmeter.
- **DO NOT** use near any type of flame or flammable/explosive substances, vapors or atmosphere.
- **DO NOT** smoke in an area where oxygen is being administered.
- This Dial Flowmeter contains magnetic, ferrous material that may affect the results of an MRI.
- NO FLOW is delivered when the Indicating Pointer  is pointing to "OFF".
- Flow is available only at the listed increments.
- There is NO FLOW between increments.

### WARNING

## LIMITED WARRANTY AND LIMITATION OF LIABILITY

Precision Medical, Inc. warrants that the Medical Gas Dial Flowmeter (the Product) will be free of defects in workmanship and/or material for the following periods:

Five (5) years from shipment

Should any failure to conform to this warranty appear within the applicable period, Precision Medical, Inc. shall, upon written notification thereof and substantiation that the goods have been stored, installed, maintained and operated in accordance with Precision Medical, Inc.'s instructions and standard industry practice, and that no modifications, substitutions, or alterations have been made to the goods, correct such defect by suitable repair or replacement at its own expense.

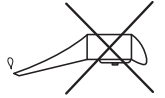
ORAL STATEMENTS DO NOT CONSTITUTE WARRANTIES.

The representative of Precision Medical, Inc. or any retailers are not authorized to make oral warranties about the merchandise described in this contract, and any such statements shall not be relied upon and are not part of the contract for sale. Thus, this writing is a final, complete and exclusive statement of the terms of that contract.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY OF QUALITY, WHETHER EXPRESS OR IMPLIED.

Precision Medical, Inc. shall not under any circumstances be liable for special, incidental or consequential damages including but not limited to lost profits, lost sales, or injury to person or property. Correction of non-conformities as provided above shall constitute fulfillment of all liabilities of Precision Medical, Inc. whether based on contract, negligence, strict tort or otherwise. Precision Medical, Inc. reserves the right to discontinue manufacture of any product or change product materials, designs, or specifications without notice.

Precision Medical, Inc. reserves the right to correct clerical or typographical errors without penalty.



Symbol for "USE NO OIL"



CONSULT ACCOMPANYING DOCUMENTS

Used without the safety alert symbol, indicates a potentially hazardous situation which, if not avoided, could result in property damage.

### CAUTION

Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

### CAUTION

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

### WARNING

## SAFETY INFORMATION - WARNINGS AND CAUTIONS

The Dial Flowmeter and contact your Provider. This manual instructs a Professional to install and operate the Dial Flowmeter. This is provided for your safety and to prevent damage to the Dial Flowmeter. If you do not understand this manual, DO NOT USE

## READ ALL INSTRUCTIONS BEFORE USING

To accurately administer a specific flow of medical OXYGEN or AIR under the direction of a healthcare professional.

## INTENDED USE

Remove the Precision Medical, Inc. Dial Flowmeter from packaging and inspect for damage. If there is any damage, DO NOT USE and contact your Provider.

## RECEIVING / INSPECTION



# PrecisionMedical



## DIAL FLOWMETER

Models:

### OXYGEN

7MFA1001(shown), 7MFA1001TC  
7MFA1101, 7MFA1101TC

### AIR

7MFA2001, 7MFA2001TC  
7MFA2101, 7MFA2101TC

## Precision Medical

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## SPECIFICATIONS

Model	Gas	Max Flush Flow	Increments (lpm)
7MFA1001	Oxygen	40-60 lpm	.5, 1, 2, 3, 4, 5, 6, 8, 10, 15 Flush
7MFA2001	Air		
7MFA1001TC	Oxygen	40-60 lpm	.5, 1, 2, 3, 4, 5, 6, 8, 10, 15 Flush
7MFA2001TC	Air		
7MFA1101	Oxygen	N/A	1, 2, 3, 4, 6, 8, 10, 12, 15, 20, 25
7MFA2101	Air		
7MFA1101TC	Oxygen	N/A	1, 2, 3, 4, 6, 8, 10, 12, 15, 20, 25
7MFA2101TC	Air		

Flowmeters calibrated at 50 psi (3.4 bar), 70°F (21°C), standard atmospheric pressure.

**Accuracy:** ±10% of the indicated flow.

**Operating Temperature:** 69°F (20.6°C) to 71°F (21.6°C)

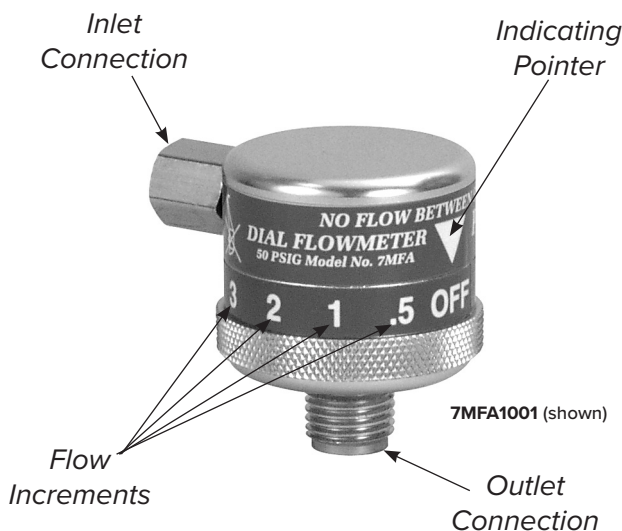
**Storage Temperature:** -40°F (-40°C) to 140°F (60°C)

**Max Humidity:** 95%

**NOTE:** Storage / Transport outside the specified range may cause damage to the flowmeter.

Specifications are subject to change without notice.

## COMPONENT IDENTIFICATION



### CAUTION

Missing or illegible labels must be replaced, contact Precision Medical, Inc.

Tell us how we are doing!  
Visit us at [www.precisionmedical.com](http://www.precisionmedical.com)

## OPERATING INSTRUCTIONS

**NOTE:** Precision Medical, Inc. recommends the use of kink proof patient tubing.

1. Be sure Dial Flowmeter is in the "OFF" position.
2. Connect the Dial Flowmeter to a 50 psi (3.4 bar) Oxygen or Air Source.
3. Set flow by aligning the Indicating Pointer ▽ to the desired flow.

**NOTE:** The accuracy of flow will be adversely affected by any variation of inlet pressure, ambient temperature or outlet resistance from rated values.

### WARNING

- Read this User Manual before installing or operating the Dial Flowmeter.
- There is NO FLOW between settings. The Indicating Pointer ▽ must point to a specific number on the dial to obtain flow.

### CAUTION

ONLY use appropriate indexed fittings to connect the Dial Flowmeter to appropriate source. Use **Oxygen** connections for **Oxygen** Flowmeters and use **Air** connections for **Air** Flowmeters.

## CLEANING / MAINTENANCE

1. Disconnect all connections before cleaning.
2. Clean exterior surfaces of the Dial Flowmeter with a cloth dampened with water.
3. Wipe dry with a clean cloth.
4. Store the Flowmeter in a clean area free from grease, oil and other sources of contamination.

### CAUTION

- **DO NOT** immerse the Dial Flowmeter in any kind of liquid. This will cause damage to the Dial Flowmeter and will void the warranty.
- This Dial Flowmeter is not field serviceable.

## RETURNS

Returned products require a Returned Goods Authorization (RGA) number. Any product returned to Precision Medical, Inc. must be packaged in a sealed container to prevent damage. Precision Medical, Inc. will not be responsible for goods damaged in transit. Return Policy available at [www.precisionmedical.com](http://www.precisionmedical.com).

Manuals are available on our website: [www.precisionmedical.com](http://www.precisionmedical.com).

## TROUBLESHOOTING

If the Dial Flowmeter fails to function, consult the Troubleshooting Guide below. If the problem cannot be solved, consult your Provider.

Problem	Probable Cause	Remedy
<b>No Flow</b>	<ul style="list-style-type: none"> <li>• Flowmeter set in "OFF" position</li> <li>• Dial set between settings</li> <li>• Internal failure</li> </ul>	<ul style="list-style-type: none"> <li>• Turn to desired setting</li> <li>• Move Dial to flow setting</li> <li>• Return to Precision Medical, Inc.</li> </ul>
<b>Dial will not turn / Hard to turn</b>	<ul style="list-style-type: none"> <li>• Dial seized</li> </ul>	<ul style="list-style-type: none"> <li>• Return to Precision Medical, Inc.</li> </ul>
<b>Will not shut off</b>	<ul style="list-style-type: none"> <li>• Flowmeter not in "OFF" position</li> </ul>	<ul style="list-style-type: none"> <li>• Turn Dial to the "OFF" position</li> </ul>