

# esko



## EMO MULTI-TUBE FLOW METER

[www.eskopacific.com](http://www.eskopacific.com)  
EMO MULTI-TUBE DATASHEET



For medium flows up to  
2.5 GPM / 10 LPM

For standard lubricating  
oils

### APPLICATIONS

- Circulating lubrication oil systems
- Also for water and air applications

### FEATURES

- Solid construction, reliable operation
- Single inlet reduces piping
- Large selection of flow ranges
- Easy to install, clean and maintain
- Can be fitted with low flow alarm
- Impact resistant flow tube
- Custom calibration for all operating conditions

EMO MULTI-TUBE FLOW METER

### SPECIFICATIONS

MODEL	EMO-E	
METERING TUBE	GRILAMID® TR55	POLYSULPHONE (PSU)
Body material	Aluminum	Aluminum
Metallic parts	SS316	SS316
O-ring seals	Nitrile (optional Viton® or EPDM)	Nitrile (optional Viton® or EPDM)
Maximum pressure	440 psi	440 psi
Maximum temperature	176°F / 80°C	248°F / 120°C
Connections inlet	3/4" NPT	3/4" NPT
Connections outlet	1/2" NPT	1/2" NPT
Weight	1.7 lbs / 0.75 kg per tube	1.7 lbs / 0.75 kg per tube
Build options	Flow tube material, custom calibration for all operating conditions, BSP connections, o-ring seals	
Optional accessories	Can be fitted with inductive low flow alarm, pressure gauge (with optional red set pointer), flow marker (Model EMP)	



EMO MULTI-TUBE FLOW METER

**FLOW METER**      **EMO** - [ ] - [ ] - [ ] - [ ]

**NUMBER OF FLOW TUBES (1 to 3)**      **X**

**END BLOCK MATERIAL**

Aluminum	<b>A</b>
Delrin (POM)	<b>D</b>
Kynar (PVDF)	<b>K</b>
SS316	<b>S</b>

**FLOW RANGE**

FLOW RANGE	WATER		AIR		
	GPM	LPM	SCFM	NLPM	
0.5	2	2.75	75	<b>A</b>	
0.9	3	5	130	<b>B</b>	
1.4	5	6.5	170	<b>C</b>	
2.2	9	10	260	<b>D</b>	
2.6	10	11	300	<b>E</b>	
4.25	16	17	450	<b>F</b>	
5	20	24	650	<b>G</b>	
8	30	27.5	700	<b>H</b>	

**SCALE**

Water GPM	<b>1</b>
Air SCFM (14.7 psia @ 68°F)	<b>2</b>
Dual Scale GPM / SCFM	<b>3</b>
Water LPM	<b>4</b>
Air NLPM (101.3 kPa @ 20°C)	<b>5</b>
Dual Scale LPM / NLPM	<b>6</b>
Relative Scale (1-10)	<b>R</b>

**OPTIONS**

PES/PSU flowtube	<b>P</b>
Viton o-ring seals	<b>V</b>
EPDM o-ring seals	<b>E</b>
Backpressure valve	<b>B</b>
Gauge (160 psi standard)	<b>G</b>
Mounting bracket	<b>M</b>

EMO multi-tube meters can be used for standard lubricating oils and also for water and air applications.

**CONSTRUCTED FOR OIL APPLICATIONS:**  
1-7 tubes, built with aluminum end blocks

**CONSTRUCTED FOR WATER AND AIR APPLICATIONS:**  
1-3 tubes, built with SS end blocks  
1-2 tubes, built with Delrin end blocks

Contact us to discuss your monitoring needs.

**HOW TO SPECIFY Model EMO, with valve on outlet, an example: EMO2-SG1-V**

- |  |   |
|--|---|
| 1. Select number of flow tubes <b>2</b>        | <b>EMO2-</b><br><b>EMO2-S</b><br><b>EMO2-SG</b><br><b>EMO2-SG1</b><br><b>EMO2-SG1-V</b> |
| 2. Select <b>S</b> for SS316 end blocks        |   |
| 3. Specify flow range <b>G</b> for up to 5 GPM |   |
| 4. Choose scale type <b>1</b> for water        |   |
| 5. Add build option <b>V</b> for Viton o-rings |   |

**SPECIAL ORDER CONSTRUCTION**

Use code EM-EXXXX. A unique manufacturing number will be assigned at the time of production (eg. EMO-E7345)  
Contact us for details.



FLOW TUBE

1-800-665-3756

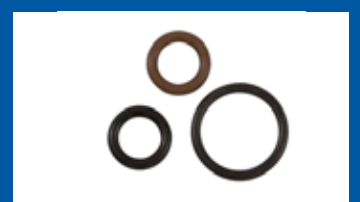


INDUCTIVE ALARM

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BODY MATERIAL



O-RINGS