

M3 series Eletta Flow Meter

Quick Guide

Note!

This Quick Guide is an extract from the full Technical Manual for the M300-series Flow Meter. Please refer to the Eletta homepage for full manual at www.eletta.com

Safety	
<u>(1</u>)	Do not install the M-series Flow Meter in an explosive environments.
<u>(1</u>)	Before installation, make sure that the system is not pressurized.
<u> </u>	Never exceed the maximum static pressure, temperature and input voltage. See the type plate on the flow meter.
<u>(1</u>)	Never open the instrument while it is pressurized.
<u>(1</u>)	Electrical installation must only be made by authorized personnel.

Installation								
Position	Mount the Flow Meter horizontally or vertically, but not upside down.	Use the two threaded M6 on the side of the Pipe Section if you need to secure the Flow Meter to a wall or similar.						
	To achieve stated accuracy, Eletta recommends that the upstream straight run is at least 15 times the pipe diameter, and the downstream run at least 5 times the pipe diameter If this is not possible, the Flow Meter will still work but the accuracy can be lower.	>15xd						

	Make sure to m Meter correctly to turn the top after installation flow direction.								
Inside	Pipe dimension	Inside diameter	If pipes and fittings with different inside diameter is connected to the Fow Meter, it will effect the accuracy.						
Diameter Pipe Section	DN 15	16 mm							
	DN 20	21 mm							
	DN 25	26 mm							
Function	The Flow Meter has a 2-wire loop, with 8-28 Vdc power supply and creates a current output of 4-20 mA within the flow ratio.								
Electrical connection	Connect the cable to the Flow Meter. The connection cable (2.5 m) is found in the delivery box together with the Flow Meter.								
M12 connector	luctive area of at least								
		8 - 28	male connector le 1 le 2 le 3 le 4 le 4 le 5 le 6 le 6 le 7	Wire color WHITE BROWN GREEN YELLOW GREY PINK BLUE RED	M3 Flow Meter	White Brown +	**************************************		
Current output	The maximum output load is calculated with the following formula: Supply Voltage $-8V$ (incl. cable) $0.02~A$								
Separate Mounting		ipe Section and	the Contro				f space, you may need and Operation		

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