



CoM4.Flow-Quattro-M-HP

Technical Datasheet

Measurement and dosing device with integrated Laminar Flow Elements and electronic pressure control. The **CoM4.Flow-Quattro** is a highly precise flow measurement and control device that combines measurement, control, and dosing in a compact system. Four cascaded Laminar Flow Elements (LFE) are firmly integrated into the device and switch automatically between the measurement ranges.

Product Name	CoM4.Flow-Quattro-M-HP
Controller	CoM4.SYS
Document Status	02.06.2026
Enclosure Size	19" 10 U desktop enclosure without handles

Measurands and Calibrated Ranges

Measurand	Unit	min	max	Accuracy
Flow Rate	mL/min	2	20,000	Accuracy: < 0,2 % v.M. MU (k=2): < 0,75% v.M.
Differential	mbar	1	60	0.01% FS
Absolute Pressure	bar	0.8	1.2	0.01% FS
Temperature	°C	0	50	0.15°C
Humidity	% RH	10	75	3% RH

Sensors

Sensor Type	Measuring Range	Overload
Differential Pressure Sensor	0 - 50 mbar	4 x max. measuring range
Absolute Pressure Sensor	0 - 1.2 bar	2 x max. measuring range
PT100 Temperature Sensor	0 - 50 °C	0.15 °C
HUMTMP Humidity Sensor	0-100% RH	do not submerge in liquids

Operating Conditions

Supply Pressure	min. 5 bar abs. compressed air 0.1 bar abs. vacuum supply
Inlet Temperature	0 - 45 °C
Humidity	0 - 100% non-condensing
Operating Pressure	0.8 - 1.2 bar abs.

Ambient Conditions

Temperature	0 to +50 °C
Humidity	0 - 100% non-condensing
Pressure	atmospheric
Protection Rating	IP20

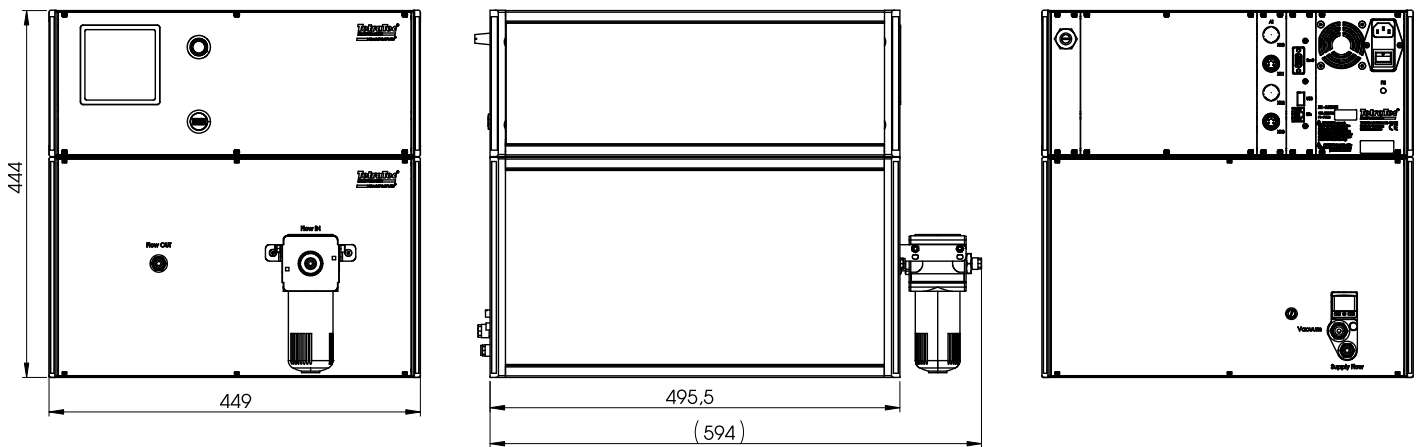
Media Compatibility

Permissible Media	Clean, dry, non-condensing, non-flammable, non-corrosive gases
Purity Requirements	ISO 8573-1; 5µm filter + oil/water separator required

Standards and Approvals

Standards	EN 61010-1
Directives	Machinery Directive 89/392

Mechanical and Electrical Data



Enclosure	449 x 444 x 495 (594 incl. filter) mm
Process Connections	Plastic hoses with 8mm union nuts
Display	4-inch graphical user interface
Power Supply	90-260 VAC / 50/60 Hz
Power Consumption	max 80 W
EI. Connections	IEC connector, round connector (Lumberg)

Interfaces

Communication	Ethernet, USB 2.0 (Type A - for updates)
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Options and Variants

- Enclosure variants: desktop enclosure or rack enclosure (with or without handles)