OLIL SIA
Supplier of control and measuring instruments in Latvia, Estonia and Lithuania. Worldwide deliver.
In-house manufacturing of temperature sensors and fabric air ducts.
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QUESTIONNAIRE FOR AIR VELOCITY TRANSMITTERS

You may complete only those fields for which you have precise information. Others may be left blank.

Completed inquiry forms are processed as a priority. A response from a manager will be sent within 24 hours.

CONTACT INFORMATION:

Full Name: _____

Phone: _____

Email: _____

Job Title: _____

Organization: _____

City: _____

End Customer _____

PROCESS INFORMATION:

Measured Medium: _____

Process medium characteristics: ☐ Corrosive ☐ Abrasive ☐ Tendency to coat/stick

Mechanical and other impurities content, %: _____

Medium density, kg/m^3: _____

Medium viscosity: _____

Medium conductivity, µS/cm: min _____ max _____

Operating flow range: Units: _____ min _____ max _____

Operating pressure: Units: _____ min _____ max _____

Operating temperature, °C: min _____ max _____

Ambient temperature, °C: min _____ max _____

Max. permissible pressure drop across flowmeter: _____

Pipe specifications:

Outer diameter of the pipeline, mm: _____

Wall thickness, mm: _____

Pipeline material: _____

Thermal insulation present	☐ No	☐ Yes	Thickness _____ mm
Pipe vibration	☐ No	☐ Yes	Amplitude, frequency _____
Strong EM field sources nearby	☐ No	☐ Yes	
Possibility of pipe reduction	☐ No	☐ Yes	Possible reduction to _____ mm
Flow direction	☐ Horizontal	☐ Upward	☐ Downward
Straight runs at installation site	☐ None	Before flow meter, m _____	After, m _____

Flowmeter examples


Electromagnetic Flow Meter


Coriolis Mass Flow Meter


Ultrasonic Flow Meter


Rotameter (float type)


Air flow velocity sensor


Vortex Flow Meters


Mass flow controller


Turbine Flow Meter


Heat flow sensor


Visual flow indicator

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DEVICE REQUIREMENTS:

Task: ☐ Measurement ☐ Indication ☐ Alarm

Design type:

☐ Electromagnetic- Measures the velocity of a liquid flow based on the electromotive force induced in it

☐ Rotameter - Flow rate is proportional to the height of the float raised by the flow in a conical tube

☐ Turbine - Flow velocity is proportional to the rotational speed of the turbine placed in the flow.

☐ Ultrasonic - Measures the difference in the time it takes for an ultrasonic signal to travel with and against the flow

☐ Vortex - The frequency of vortices breaking away from the body of the flow is proportional to the flow velocity

☐ Coriolis - Directly measures mass by recording the phase shift of the measuring tube's oscillations

☐ Thermal - Flow is determined by the cooling of a heated element or the temperature difference between two sensors

☐ Mass flow controller - Measures and maintains a set mass flow rate

Other: _____

Не требуется ☐ Scale with readings ☐ Display ☐ Remote display ☐ not required

Connection:
Threaded: _____
Flanged: _____
Clamp: _____
Insertion: _____
Hygienic: _____
Other: _____

Accuracy, %: _____

Lining material: _____

Electrode material: _____

Housing material: _____

Protection class, IP: _____

Explosion protection: ☐ Industrial (non-Ex) ☐ Flameproof Exd ☐ Intrinsically safe Exia

Flange set: ☐

Output signals: ☐ 4-20 mA ☐ HART ☐ Profibus ☐ RS-485 Modbus ☐ Frequency (Pulse) ☐ Relay

DELIVERY TIME:

Specify max. acceptable delivery time

Urgent (up to 5 days, from stock) ☐

4 to 8 weeks (from manufacturer‘s warehouse) ☐

8 to 12 weeks (made to order) ☐

QUANTITY:

_____

OTHER REQUIREMENTS AND REQUESTS:

The completed questionnaire must be sent to olil@olil.lv