FAQs

SELECTION CONSIDERATIONS

The selection of a measuring and control instrument for a particular application requires a number of factors to be taken into consideration. One of the major aspects is the operating process conditions to which the instrument would be used. The following provides a guidline to the information for a correct selection of the instrument.

MECHANICAL FLOWMETERS

Line size:
Kind of iquid:
Liquid contaminates:
Measuring range Max/ Normal/ Min.:
Viscosity Max/Normal/Min.:
Specific gravity Max/ Normal/ Min:
Liquid temp. Max/ Normal/ Min.:
Ambient temp. Max/ Normal/ Min. :
End connections :
Accuracy :
EEC or PTB approved:
Pulses output:
Meter to be installed in hazardous area:

ELECTROMAGNETIC FLOWMETERS

Line size:
Kind of liquid:
Liquid contaminates:
Single or 2-phase liquid:
Flowrange Max/ Norrmal/ Min.:
Conductivity Max/ Normal/ Min.:
Viscosity Max/ Normal/ Min.:
Specific gravity Max/ Normal/ Min.:
Liquid temp. Max/ Normal/ Min.:
Pressure Max/ Normal/ Min.:
Lining prefered :
Measuring elctrodes prefered :
Grounding elctrode:
End connections:
Flow direction:
Pipe material:
Isolation or protection flanges required:
Hazardous area:
Transmitter integral or remote:
Protection rate:
Transmitter power supply/ frequency:
If, remote what length of interconnection cable:
EEC or PTB approved:

RECORDERS
Panel or wall mounting:
Number of traces:
Panel cut-out:
Chart width;
Chart drive:
Chart speed:
Scale graduation:
Chart graduations:
Input signals:
Retransmission signal required:
Alarms:
Power supply/ frequency:
Protection rate:

INDICATORS/ CONTROLLERS
Panel or wall mounting
Panel cut-out:
Input signal:
Measuring range:
Scale graduation Min/ Max.:
Retransmission signal:
Alarms:
Power supply/ frequency:
Protection rate:
Hazardous area:

PRESSURE TRANSMITTERS
Electrically or pneumatically operating:
Kind of transmitter pressure/ differential pressure, level:
Application:
Kind of liquid:
Liquid contaminates:
Specific gravity Max/ Normal/ Min.:
Viscosity Max/ Normal/ Min.:
Pressure Max/ Normal/ Min..
Temperature Max/ Normal/ Min.:
Span limit:
Measuring range:
Process connection:
Diaphragm extension:
Output signal 4-20mA, HART, Profibus:
Mounting bracket:
Output meter analogue, digital:
Cable connection ½“ NPT, M20x1.5 , Pg 13.5:
Electrical certification CENELEC, ATEX, BASEFA, PTB:
Surge protection:
Protection rate:

ANALYZERS

Wall or panel mounting.
What parameter should be measured:
Medium liquid, gas:
Kind of medium:
Medium contaminates:
Conductivity:
pH value:
Measuring range:
Pressure Max/ Normal/ Min.:
Medium temperature Max/ Normal/ Min. :
Ambient temperature:
Retransmission signal:
Alarms :
Automatic temperature compensation :
Power supply/ frequency :
Electrical certification CENELEC, ATEX, BASEFA, PTB:

CONTROL VALVES

Flow conditions

- Application:
- Process fluid:
- Contaminates:
- Design temperature:
- Design pressure:
- Medium Oil, water, gas/ vapour
- Flowrate Max/ Normal/ Min.:
- Pressure inlet, ourtlet, d/p, shut-in d/p
- Temperature inlet:
- Specific gravity Max, Normal, Min.:
- Vapour pressure Max, Normal, Min.:
- Critical pressure Max, Normal, Min. :
- Viscosity Max, Normal, Min. :
- Gas/ Vapour Molecular weight :
  Compressebility (z):
  Specific heat ratio (y):

Line size in/out shedule:
Max. noise level (dBA):
End connections :
Choke pressure rating :
Max. leackege:
NACE requirements:
API 6A requirements:
Material class:
Temperature class:
PSI level:

Actuator details

Actuator type:
Supply pressure:
Handwheel/ Override:
Local position indication:
Remote position indication:
Accessories: