

Turbine meter type Vision

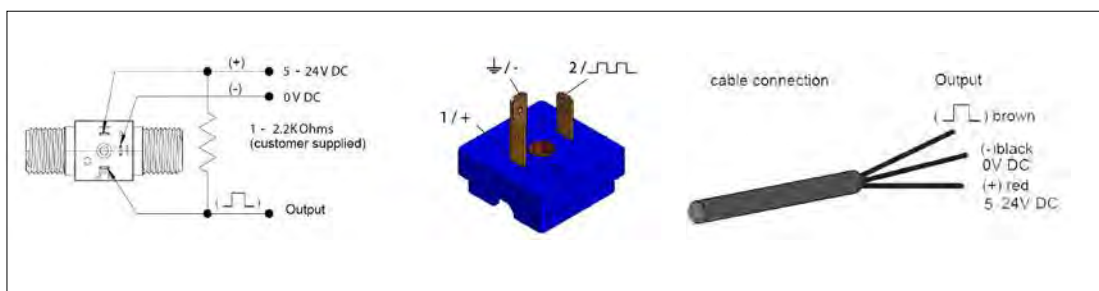
Wiring and installation



Operating and Installation instructions

1. Check compatibility of media with sensor material Trogamid.
2. Solid ingredients in medium require a filter in front of a sensor. Avoid absolutely fibrous soiling. Recommended filter: 20 - 40 microns.
3. Install sensor into properly cleaned pipeline only.
4. Check electrical connection according to the electrical wiring plan.
5. Operate the Vision within the specified limits.
6. The Vision is a volumetric measuring device, i.e. air/gas in liquid will be included in measured volume.
7. Correctly installed, the sensor works entirely maintenance free.
8. The Vision is not for general public use and is to be installed and applied by trained personnel only.
9. Do not blow out the turbine with compressed air. This may damage the bearings.

Electrical connection plan



Output signal

The output signal is square wave signal where the frequency is proportional to the flow rate. An external, user-supplied pull-up resistor is required to ensure that the open collector will sink less than 20 mA. Applying a current greater than 20 mA may damage the sensor.

| With DIN connector | |
|--------------------|-----------------|
| Function | DIN termination |
| V+ | 1 |
| - | ⊕ |
| Output | 2 |

Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

For pricing or any further information, please contact Omni Instruments Ltd.