

Quadrature smoothing module

QGM - H504.53.01

Pre-filtering for quadrature signals

Application:

- Conditioning of the quadrature signals between flow sensor and evaluation unit
- Interference suppression for flow measurement in pulsating media
- Reduction of switching point disturbances of flow sensors
- Pre-filtering at very low flow rates



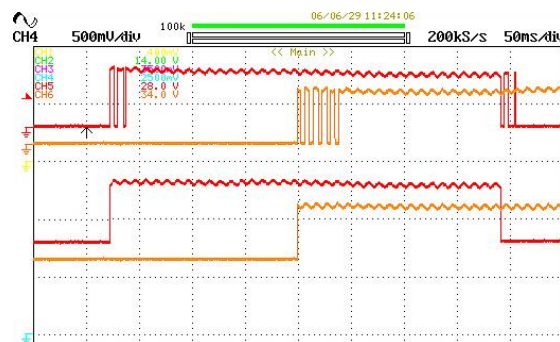
Features:

- Filter algorithms can be selected via DIP switch: Smoothing or counting filter of depth 2...16
- Infeed and output signal level 24V
- 24V supply of the flow sensor possible via the module
- Housing for top hat rail mounting

Customised variants:

- Special filter algorithms can be implemented
- Can also be used as logic element for 24V signals (2E / 2A)

Specific evaluation units interpret this signal form incorrectly



Example: Smoothing algorithm

Tracks 1 and 2: QGM infeed signals

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