

Q-PIPE *Flowmeter*



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330 x 235 x 190 mm (L x H x W)

degree of protection IP 65

Diameter pipe: 0,5 – 10 m

Operating principle: travel time method/ ultrasonic discharge measurement
single path, cross path and multiple level systems

Max. no. of transducers: 4

Measurement range: -10 m/s ... +10 m/s

Accuracy v: < 0,1%

Accuracy Q: < 0,5%

Data logger: 64-512 MB compact flash, Hard Disk, optional: DiskOnShip2000

Processing: industrial computer: STPC Atlas, DRAM 32-64 MB, Onboard SVGA

Grafikcontroller, watchdog timer for automatic reboot after shutdown

Display: VGA monitor 6,4" 640 x 480

Operation control: laptop, modem

Analog/digital converter: 12 Bit

optional input: 1 x 0/4 - 20 mA, 1 x 0 - 1/2,5 V

optional output: 2 x 0/4 - 20 mA , 2 x RS 232, Impuls TTL

Power supply: 12 – 36 V_{DC}

Power consumption ca. < 11 VA at continuous operation < 1 VA at standby mode

Remote data transfer: analog, ISDN, GSM, GPS

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Type	Compact system	Transducers (maximal)	Path length (maximal)	Frequency
QP _F	x	4	10 m	200 kHz

Transducers

Type	TC 2024/2153	TC 2111
Frequency in kHz	200	200
Input power in W	600 at 1% duty cycle	50
Cable length in m	18	10

Configurations

- 1- and 2-level single path system
- 1-level cross path system

Transducer fittings

are specially designed to prevent trash,
they are extremely robust and resistant.