

## Q-PIPE Controller



**Q-PIPE Controller**  
330 x 235 x 190 mm (L x H x W)  
degree of protection IP 65

**Diameter pipe:** 0,5 – 10 m

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

**Max. no. of transducers:** 12

**optional:** added relais control

**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 graphic controller, 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:** 8 x 0/4 - 20 mA, 1 x 0 - 1/2,5 V

**optional output:** 8 x 0/4 - 20 mA, 2 x RS 232, Impuls TTL

**Power supply:** 12 – 36 V<sub>DC</sub>

**Power consumption** < 11 VA at continuous operation < 1 VA at standby mode

**Remote data transfer:** analog, ISDN, GSM, GPS

**Output:** optional USB, Bluetooth, WLAN

**Q-PIPE Flowmeter**

Type	Compact system	Transducers (max. no. of)	Messpfadlänge	Wandlerfrequenz
QP <sub>F</sub>	ja	12	0,8 -10 m	200 kHz

optional: zusätzliche Relaissteuerung

**Transducers**

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

**Transducer fittings**

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