UK Flowtechnik

HySense QT200 / QT210 Flow Turbine Sensor

QT200/QT210 (formerly known as RE6)

The HySense QT200/210 operates in the same manner as the QT100/ QT110 flow turbine but is manufactured in non corrosive materials and calibrated to work with water or other low viscosity media.

- Output signal analog or frequency
- Developed for water and watery media
- Allows bi-directional flow rate measurement
- Supplied with Pressure and Temperature Test Points
- Optionally with Hydrotechnik ISDS
- Compact high pressure design

Features

Calibration viscosity	1 mm²/s (cSt)
Output signal	frequency (square wave) / 4 ... 20 mA
Electrical meas. connector	6-pole (ISDS) or 5-pole device plug, M16 x 0.75
Protection type (EN 60529 / IEC 529)	IP 40
Material casing / turbine wheel	high-grade steel X12CrNiS18 8 (passivated) / 1.4122 or 1.0718
Material sealing	FKM

Technical data

Mounting orientation	arbitrary
Supply voltage Ub	12 ... 24 VDC
Current consumption	12 ... 15 mA (frequency) / 24 ... 31 mA (4 ... 20 mA)
Over-voltage protection	36 VDC
Response time	none (frequency) / 250 ms (4 ... 20 mA)
Medium temperature	max. 120 °C
Environmental / storage temperature	-20 ... +85 °C

Options & Ordering Information

	Output signal	Measuring range (l/min)	Viscosity range mm²/s (cSt)	Measuring connector	Allowed working pressure bar	MPa	PSI	Error limits	Weight g	Order number
... with ISDS	QT 200 frequency (square wave)	1 ... 10	1 ... 30	ISO228-G¼	420	42	6,000	± 0.5 %[2]	690	33V7-01-S-35.001
		5 ... 100	1 ... 10	ISO228-G¾					1,930	33V7-77-S-35.001G
		9 ... 300	1 ... 10	ISO228-G1					3,300	33V7-78-S-35.001G
		16 ... 600	1 ... 10	ISO228-G1¼	350	35	5,000		4,035	33V7-79-S-35.001G
	QT 210 analog 4 ... 20 mA	1 ... 10	1 ... 30	ISO228-G¼	420	42	6,000	± 0.7 %[3]	800	33G7-01-S-35.001
		2 ... 75	1 ... 10	ISO228-G¾					2,040	33G7-77-S-35.001G
		9 ... 300	1 ... 10	ISO228-G1					3,410	33G7-78-S-35.001G
		16 ... 600	1 ... 10	ISO228-G1¼	350	35	5,000		4,145	33G7-79-S-35.001G
... without ISDS	QT 200 frequency (square wave)	1 ... 10	1 ... 30	ISO228-G¼	420	42	6,000	± 2.5 %[2]	630	33V7-01-35.001
		7.5 ... 75	1 ... 10	ISO228-G¾					785	33V7-77-35.001G
		15 ... 300	1 ... 10	ISO228-G1					1,125	33V7-78-35.001G
		25 ... 600	1 ... 10	ISO228-G1¼	350	35	5,000	± 2.0 %[2]	1,380	33V7-79-35.001G
	QT 210 analog 4 ... 20 mA	1.... 10	1 ... 30	ISO228-G¼	420	42	6,000	± 2.7 %[3]	740	33G7-01-35.001
		7.5 ... 75	1 ... 10	ISO228-G¾					895	33G7-77-35.001G
		15 ... 300	1 ... 10	ISO228-G1					1,235	33G7-78-35.001G
		25 ... 600	1 ... 10	ISO228-G1¼	350	35	5,000	± 2.2 %[3]	1,490	33G7-79-35.001G

[2] of current reading [3] of final value

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