

RCCT 3x

Koncentrationsmätare baserad på Coriolisteknik från Yokogawa

Coriolisteknik förknippas oftast med massflödesmätning, men den kan även användas för att bestämma densitet. Med hjälp av densiteten kan man i många fall bestämma koncentrationen. Tekniken lämpar sig för lösningar, slurrys och emulsioner.

Det finns inga krav på att totala flödet måste gå igenom mätaren. Om du enbart vill mäta koncentrationen kan du mäta i ett delflöde och därmed spara pengar.

Enkel

- Inga krav på raksträckor
- Okänslig för rörvibrationer
- Helt dränerbar i vertikalt montage
- 2 analoga samt 2 digitala ut signaler som standard
- Klarar temperaturer från – 50 till + 150 °C
- Ex klassad för zon 1
- 3-A certifikat

Ekonomisk

- En mätare för flöde och koncentrationsmätning
- Enkelt montage, låg installationskostnad

Noggrannhet

- Onoggrannheten är valbar mellan 0,5 kg/m³ eller 1 kg/m³
- Repeterbarheten är så bra som 0,2 kg/m³



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MODEL-, SUFFIX- AND OPTION-CODES

Integral type RCCT3, Model- and Suffix- Code :

Model	Suffix Code	Description	Restrictions
RCCT34 RCCT36 RCCT38 RCCT39		Nominal Value : 2.7 t/h = 45 kg/min Nominal Value : 10 t/h = 170 kg/min Nominal Value : 32 t/h = 533 kg/min Nominal Value : 100 t/h = 1670 kg/min	
Power supply	-A -D	90 - 264 V AC 24 V DC	
Indicator direction	H1 H2 V0 N0	Detector installation horizontal, tubes down Detector installation horizontal, tubes up Detector installation vertical Without indicator	recom. for liquid service
Cable conduit connection	M A	M20 x 1, female thread with cable glands ANSI ½" NPT, female thread without cable glands	mandatory with /FF1
Process connection size ¹⁾	23 01 02 04 05 06 08 10 12 15 20	¾" DN 15, ½" DN 25, 1" DN 40, 1½" DN 50, 2" DN 65, 2½" DN 80, 3" DN 100, 4" DN 125, 5" DN 150, 6" DN 200, 8"	see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11
Process connection rating and style ¹⁾	A1 A2 A3 A4 A5 D2 D4 D5 D6 J1 J2 S2 S4 S8 G9 T9	ASME flange class 150, process connection dim. + facing acc. ASME B16.5 ASME flange class 300, process connection dim. + facing acc. ASME B16.5 ASME flange class 600, process connection dim. + facing acc. ASME B16.5 ASME flange class 900, process connection dim. + facing acc. ASME B16.5 ASME flange class 1500, process connection dim. + facing acc. ASME B16.5 EN flange PN 16, process connection dim. + facing acc. EN 1092-1 Form B2 EN flange PN 40, process connection dim. + facing acc. EN 1092-1 Form B2 EN flange PN 63, process connection dim. + facing acc. EN 1092-1 Form B2 EN flange PN 100, process connection dim. + facing acc. EN 1092-1 Form B2 JIS flange 10K, JIS B 2220 JIS flange 20K, JIS B 2220 Thread acc. DIN 11851 Clamp, process connection dimensions acc. DIN 32676 Clamp, process connection dim. acc. Tri-Clover (Tri-Clamp) and ½" Mini Clamp G, female thread NPT, female thread	see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11 see table 11
Material of wetted parts ¹⁾	SL HC	Stainless steel 316L (1.4404) Hastelloy C-22 (2.4602)	

¹⁾ see selection table „Process connection and materials“ (table 11)

Options	Option code	Description	Restrictions
Hazardous Area Approvals	/KF1 /KF2 /FF1 /EF1 /EF2 /UF1 /UF2	ATEX Flame proof converter + Intrinsic safe detector ATEX Flame proof converter + Intrinsic safe detector + Intrinsic safe outputs ¹⁾ FM approval for USA+Canada, Flame proof converter + Intrinsic safe detector IECEX Flame proof converter + Intrinsic safe detector IECEX Flame proof converter + Intrinsic safe detector + Intrinsic safe outputs ¹⁾ INMETRO Flame proof converter + Intrinsic safe detector INMETRO Flame proof converter + Intrinsic safe detector + Intrinsic safe outputs ¹⁾	with /HP for gas group IIB with /HP for gas group IIB only with cable conduit 'A'; with /HP not for groups A and B with /HP for gas group IIB with /HP for gas group IIB with /HP for gas group IIB with /HP for gas group IIB
Special Calibration	/K2 ²⁾ /K4 /K5 ²⁾ /K6	Custom 5 pts mass-/volume-flow calibration using water with factory certificate (traceable to German national standards) Density adjustment + thermal treatment; (accuracy: 0.001 g/cm ³) Custom 10 pts mass-/volume-flow calibration using water with DKD certificate (according EN-17025:2005) Density calibration with 3 different fluids incl. individual temperature compensation with certificate (accuracy: 0.0005 g/cm ³)	only RCCT34 to 39; not with /GA only RCCT34 to 39; not with /GA ; not with /FB; not with sanitary options
Certificates	/P2 /P3 /P6 /P8 /H1	Certificate of compliance with the order acc. to EN 1024:2004 -2.1 As /P2 + Test report acc. to EN 1024: 2004 -2.2 (QIC) Material certificate acc. to EN 1024: 2004 -3.1 Pressure test report measuring system Oil and fat free for wetted surface acc. to ASTM G93-03 level C	

Gällande övriga optioner och Ex klassningar se original datablad eller kontakta OmniProcess AB