

# RCCT 3x

## Densitetsmätare baserad på Coriolis teknik från Yokogawa

RCCT densitetsmätare klarar att mäta de flesta fluider som vätskor, slurry, flerfasflöden inom ett område på 500 till 5000 kg/m<sup>3</sup>. Det finns inga krav på att totala flödet måste gå igenom mätaren, man kan mäta ett delflöde och på så vis 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
- Kan levereras med 3-A certifikat

### Ekonomisk

- Enkelt montage därmed låg installationskostnad
- Mediaberörda delar i 316 L eller Hastelloy C

### Noggrannhet

- Onoggrannheten är valbar mellan 0,5 kg/m<sup>3</sup> eller 1 kg/m<sup>3</sup>
- Repeterbarheten är så bra som 0,2 kg/m<sup>3</sup>
- SIP-testad



## 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 <sup>1)</sup>	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 <sup>1)</sup>	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 <sup>1)</sup>	SL HC	Stainless steel 316L (1.4404) Hastelloy C-22 (2.4602)	

<sup>1)</sup> see selection table „Process connection and materials“ (table 11)

Options	Option code	Description	Restrictions
Hazardous Area Approvals	/KF1	ATEX Flame proof converter + Intrinsic safe detector	with /HP for gas group IIB
	/KF2	ATEX Flame proof converter + Intrinsic safe detector + Intrinsic safe outputs <sup>1)</sup>	with /HP for gas group IIB
	/FF1	FM approval for USA+Canada, Flame proof converter + Intrinsic safe detector	only with cable conduit 'A'; with /HP not for groups A and B
	/EF1	IECEx Flame proof converter + Intrinsic safe detector	with /HP for gas group IIB
	/EF2	IECEx Flame proof converter + Intrinsic safe detector + Intrinsic safe outputs <sup>1)</sup>	with /HP for gas group IIB
	/UF1	INMETRO Flame proof converter + Intrinsic safe detector	with /HP for gas group IIB
	/UF2	INMETRO Flame proof converter + Intrinsic safe detector + Intrinsic safe outputs <sup>1)</sup>	with /HP for gas group IIB

Special Calibration	/K2 <sup>2)</sup>	Custom 5 pts mass-/volume-flow calibration using water with factory certificate (traceable to German national standards)	only RCCT34 to 39; not with /GA
	/K4	Density adjustment + thermal treatment; (accuracy: 0.001 g/cm <sup>3</sup> )	
	/K5 <sup>2)</sup>	Custom 10 pts mass-/volume-flow calibration using water with DKD certificate (according EN-17025:2005)	only RCCT34 to 39; not with /GA ; not with /FB; not with sanitary options
	/K6	Density calibration with 3 different fluids incl. individual temperature compensation with certificate (accuracy: 0.0005 g/cm <sup>3</sup> )	
Certificates	/P2	Certificate of compliance with the order acc. to EN 1024:2004 -2.1	
	/P3	As /P2 + Test report acc. to EN 1024: 2004 -2.2 (QIC)	
	/P6	Material certificate acc. to EN 1024: 2004 -3.1	
	/P8	Pressure test report measuring system	
	/H1	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