

RCCT 3x

Coriolisflödesmätare Yokogawa för Custody Transfer applikationer

RCCT är godkänd enligt MID och har en hög noggrannhet för vätskor under tryck upp till 20 bar, exempelvis olja, kemikalier eller andra vätskor med en densitet mellan 700 och 1400 kg/m³ samt flöden från 300 kg till 130 ton/h.

Enkel

- Inga krav på raksträckor
- Okänslig för rörvibrationer
- Kan användas i mobila system
- Helt dränerbar i vertikalt montage
- 1 analog samt 1 digital ut med 2 kanaler och 90° fasförskjutning
- Godkänd för temperaturer mellan -40 till +55 °C
- Ex klassad för zon 1

Ekonomisk

- Enkelt montage därmed låg installationskostnad
- Batteridrift eller 24 VDC / 220 VAC
- Mediaberörda delar i 316 L eller Hastelloy C

Noggrannhet

- Onoggrannheten är 0,3 och 0,5 enl. OIML R117-1 av aktuellt flöde
- Densiteten mäts med en noggrannhet på +/- 0,0005 g/cm³
- SIP-testad i standard utförande



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 1/2" NPT, female thread without cable glands	mandatory with /FF1
Process connection size ¹⁾	23 01 02 04 05 06 08 10 12 15 20	3/4" DN 15, 1/2" DN 25, 1" DN 40, 1 1/2" DN 50, 2" DN 65, 2 1/2" 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 1/2" 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 /FF1 /EF1 /UF1	ATEX Flame proof converter + Intrinsic safe detector FM approval for USA+Canada, Flame proof converter + Intrinsic safe detector IECEX Flame proof converter + Intrinsic safe detector INMETRO Flame proof converter + Intrinsic safe detector	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
Approval for custody transfer measurements according OIML R117-1 (fluids other than water)	/Q01	European directive 2004/22/EC on measuring instruments (MID)	
Dual Seal Approval	/DS /RD	Dual Seal approval (conform with ANSI/ISA-12.27.01) Rupture disk	only with /FF1; not with process connection A5
High Driving Power	/HP	High Driving Power	not for RCCT34, recommended for RCCT36 to 39
NAMUR Switch	/NM	One pulse output acc. to EN 60947-5-6 (NAMUR)	
Analog Alarm Levels	/NA	Analog output alarm levels 2.4 mA or 21.6 mA (Standard is acc. to NAMUR rec. 43)	
Tag Number	/BG	With customer specified tag number on name plate	max. 16 digits
HART Tag Number (Software Tag)	/BT1	With customer specified tag number for HART communication in converter	8 digits for tag, 22 digits for long tag
Flange Facing	/DN /RJ	Flange with safety grooves acc. to EN 1092-1 form D Ring Type Joint Flanges	only for D2 to D6; not HC only for A3, A4, A5; not HC
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	
Housing Pressure Test	/J1	Rupture pressure proof test and certificate: 60 bar (RCCT34, RCCT36), 40 bar (RCCT38), 10 bar (RCCT39)	
X-Ray Examination	/RT	X-ray examination of flange welding	only material SL
PMI Examination	/PM6	PAMI test (6 test points: process connection inlet + outlet, measuring tubes, flow divider inlet + outlet) ¹⁾	
Dye Penetration Test	/PT	Dye penetration test of flange welding	
Epoxy Coating	/X1	Epoxy coating of converter housing	
Concentration Measurement ²⁾	/CST /Cxx	Standard concentration measurement Advanced concentration measurement, details see table „Advanced Concentration Measurement Options“	
Instruction Manuals	/En /Dn /Fn	Quantity of instruction manuals in English Quantity of instruction manuals in German Quantity of instruction manuals in French	n = 1 to 3 selectable ³⁾ n = 1 to 3 selectable ³⁾ n = 1 to 3 selectable ³⁾
Special order	/Z	Special design must be specification an extra sheet	

¹⁾ Measuring tube PAMI test is performed per delivery batch.

²⁾ For detailed information please see TI 01R04B04-04E-E.

³⁾ If no instruction manual is selected, only a CD with instruction manuals is shipped with the instrument. More than 3 manuals of one language on request.

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