



Modelcode 2008

Valid: 01.01.2008

Version: 01/08 I



Coriolis Massflowmeter

TMU008	0-600 kg/h	(0-22 lbs/min)
TMU010	0-2.500 kg/h	(0-92 lbs/min)
TMU015	0-12.000 kg/h	(0-441 lbs/min)
TMU025	0-30.000 kg/h	(0-1.102 lbs/min)
TMU040	0-60.000 kg/h	(0-2.205 lbs/min)
TMU050	0-80.000 kg/h	(0-2.939 lbs/min)
TMU080	0-120.000 kg/h	(0-4.409 lbs/min)
TMU100	0-200.000 kg/h	(0-7.349 lbs/min)
TMU150	0-460.000 kg/h	(0-16.902 lbs/min)
TMU200	0-700.000 kg/h	(0-25.720 lbs/min)
TMU250	0-1.500.000 kg/h	(0-55.115 lbs/min)
TMU300	0-2.200.000 kg/h	(0-80.835 lbs/min)



Coriolis Massflowmeter

TMU 008

Stainless steel
Hastelloy C-22

Range (0 - 600 kg/h)



Modelcode

valid from: 01.01.2008

version: 01/08 I

Model number	Description	Notes																																																				
Block no. 1 2 3 4 5678 9 10 11 12 13 14 15 16 TMU <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Wetted materials (Block no. 1) Stainless steel Hastelloy C-22																																																					
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1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).

2) Cable glands, select from accessories list.

3) Must be used with approved UMC3 transmitter for system approval.

4) Flanges in DIN-standard on request.



Coriolis Massflowmeter

TMU 010

Stainless steel
Hastelloy C-22

Range (0 - 2.500 kg/h)



Modelcode

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Model number	Description	Notes																																							
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1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).
 2) Cable glands, select from accessories list.
 3) Must be used with approved UMC3 transmitter for system approval.
 4) Flanges in DIN-standard on request.



Coriolis Massflowmeter
TMU 015
 Stainless steel
 Hastelloy C-22

Range (0 - 12.000 kg/h)



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1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).
 2) Cable glands, select from accessories list.
 3) Must be used with approved UMC3 transmitter for system approval.
 4) Flanges in DIN-standard on request.



Coriolis Massflowmeter

TMU 025

Stainless steel

Hastelloy C-22

Range (0 - 30.000 kg/h)



Modelcode

valid from: 01.01.2008

version: 01/08 I

Model number	Description	Notes
Block no. 1 2 3 4 5678 9 10 11 12 13 14 15 16 TMU <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> S <input type="checkbox"/> H	Wetted materials (Block no. 1) Stainless steel Hastelloy C-22	
<input type="checkbox"/> 0 <input type="checkbox"/> 2 <input type="checkbox"/> 5	Meter line size (Block no. 2, 3, 4) Range DN25, ANSI 1"	
<input type="checkbox"/> 109C <input type="checkbox"/> 309B <input type="checkbox"/> 109N <input type="checkbox"/> 309D <input type="checkbox"/> 117C <input type="checkbox"/> 317B <input type="checkbox"/> 117N <input type="checkbox"/> 317D <input type="checkbox"/> 121C <input type="checkbox"/> 321B <input type="checkbox"/> 121N <input type="checkbox"/> 321D <input type="checkbox"/> 202R <input type="checkbox"/> 242R <input type="checkbox"/> 203R <input type="checkbox"/> 243R <input type="checkbox"/> 205R <input type="checkbox"/> 245R <input type="checkbox"/> 206R <input type="checkbox"/> 246R <input type="checkbox"/> XXXX	Process connection (Block no. 5, 6, 7, 8) Installation length DN25 PN40 Form C DIN 2501 632 mm 4) DN25 PN40 Form B1 DIN EN 1092-1 632 mm 4) DN25 PN40 Form N DIN 2512 632 mm 4) DN25 PN40 Form D DIN EN 1092-1 632 mm 4) DN40 PN40 Form C DIN 2501 642 mm 4) DN40 PN40 Form B1 DIN EN 1092-1 642 mm 4) DN40 PN40 Form N DIN 2512 642 mm 4) DN40 PN40 Form D DIN EN 1092-1 642 mm 4) DN50 PN40 Form C DIN 2501 500 mm 4) DN50 PN40 Form B1 DIN EN 1092-1 500 mm 4) DN50 PN40 Form N DIN 2512 500 mm 4) DN50 PN40 Form D DIN EN 1092-1 500 mm 4) 3/4" Class 150 RF ASME B16.5-2003 657 mm 3/4" Class 600 RF ASME B16.5-2003 667 mm 1" Class 150 RF ASME B16.5-2003 664 mm 1" Class 600 RF ASME B16.5-2003 676 mm 1 1/2" Class 150 RF ASME B16.5-2003 676 mm 1 1/2" Class 600 RF ASME B16.5-2003 692 mm 2" Class 150 RF ASME B16.5-2003 530 mm 2" Class 600 RF ASME B16.5-2003 560 mm Agency approved, customer specified	
<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> X	Containment options (Block no. 9) Stainless steel containment 1.4301 1) Standard containment with drain connection 1/2" NPT (f) 1) Agency approved, customer specified	
<input type="checkbox"/> 0 <input type="checkbox"/> A <input type="checkbox"/> X	Heating / cooling (Block no. 10) None Heating plate Agency approved, customer specified	
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1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).
2) Cable glands, select from accessories list.
3) Must be used with approved UMC3 transmitter for system approval.
4) Flanges in DIN-standard on request.



Coriolis Massflowmeter

TMU 040

Stainless steel
Hastelloy C-22

Range (0 - 60.000 kg/h)



Modelcode

valid from: 01.01.2008
version: 01/08 I

Model number	Description	Notes																																																				
Block no. 1 2 3 4 5678 9 10 11 12 13 14 15 16 TMU <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Wetted materials (Block no. 1) Stainless steel Hastelloy C-22																																																					
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Certificates add. requirements	see supplies list																																																					
Documentation	...																																																					

1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).
 2) Cable glands, select from accessories list.
 3) Must be used with approved UMC3 transmitter for system approval.
 4) Flanges in DIN-standard on request.



Coriolis Massflowmeter

TMU 050

Stainless steel
Hastelloy C-22

Range (0 - 80.000 kg/h)



Modelcode

valid from: 01.01.2008

version: 01/08 I

Model number	Description	Notes
Block no. 1 2 3 4 5678 9 10 11 12 13 14 15 16 TMU - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> S <input type="checkbox"/> H	Wetted materials (Block no. 1) Stainless steel Hastelloy C-22	
<input type="checkbox"/> 0 <input type="checkbox"/> 5 <input type="checkbox"/> 0	Meter line size (Block no. 2, 3, 4) Range DN50, ANSI 2" min. 0-20.000 kg/h - max. 0-80.000 kg/h	
<input type="checkbox"/> 117C <input type="checkbox"/> 317B <input type="checkbox"/> 117N <input type="checkbox"/> 317D <input type="checkbox"/> 121C <input type="checkbox"/> 321B <input type="checkbox"/> 121N <input type="checkbox"/> 321D <input type="checkbox"/> 131C <input type="checkbox"/> 331B <input type="checkbox"/> 131N <input type="checkbox"/> 331D <input type="checkbox"/> 135C <input type="checkbox"/> 335B <input type="checkbox"/> 205R <input type="checkbox"/> 245R <input type="checkbox"/> 206R <input type="checkbox"/> 246R <input type="checkbox"/> 208R <input type="checkbox"/> 248R <input type="checkbox"/> XXXX	Process connection (Block no. 5, 6, 7, 8) Installation length DN40 PN40 Form C DIN 2501 1018 mm (4) DN40 PN40 Form B1 DIN EN 1092-1 1018 mm (4) DN40 PN40 Form N DIN 2512 1018 mm (4) DN40 PN40 Form D DIN EN 1092-1 1018 mm (4) DN50 PN40 Form C DIN 2501 1024 mm (4) DN50 PN40 Form B1 DIN EN 1092-1 1024 mm (4) DN50 PN40 Form N DIN 2512 1024 mm (4) DN50 PN40 Form D DIN EN 1092-1 1024 mm (4) DN80 PN40 Form C DIN 2501 1044 mm (4) DN80 PN40 Form B1 DIN EN 1092-1 1044 mm (4) DN80 PN40 Form N DIN 2512 1044 mm (4) DN80 PN40 Form D DIN EN 1092-1 1044 mm (4) DN100 PN16 Form C DIN 2501 804 mm (4) DN100 PN16 Form B1 DIN EN 1092-1 804 mm (4) 1½" Class 150 RF ASME B16.5-2003 1050 mm 1½" Class 600 RF ASME B16.5-2003 1066 mm 2" Class 150 RF ASME B16.5-2003 1053 mm 2" Class 600 RF ASME B16.5-2003 1072 mm 3" Class 150 RF ASME B16.5-2003 1066 mm 3" Class 600 RF ASME B16.5-2003 1091 mm Agency approved, customer specified	
<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> X	Containment options (Block no. 9) Standard containment (carbon steel) 1) Standard containment with drain connection ½" NPT (f) 1) Agency approved, customer specified	
<input type="checkbox"/> 0 <input type="checkbox"/> B <input type="checkbox"/> X	Heating / cooling (Block no. 10) None Heating tubes Agency approved, customer specified	
<input type="checkbox"/> 0 <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> X	Connection for heating / cooling (Block no. 11) None Ermeto EO12 Swagelok 12mm DN15 PN40 Form C DIN 2501 ½" Class 150 RF ASME B16.5-2003 ½" NPT (f) DN25 PN40 Form C DIN 2501 1" Class 150 RF ASME B16.5-2003 1" NPT (f) Agency approved, customer specified	
<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> X	Sensor configuration (Block no. 12) Integral mount transmitter Process temperature Sensor Cable Connection Integral mount transmitter -4° to 212°F, -20° to 100°C - IP65 Integral mount transmitter -4° to 302°F, -20° to 150°C - IP65 Remote mount transmitter -40° to 212°F, -40° to 100°C Terminal block via ½" NPT (f) IP65 (2) Remote mount transmitter -40° to 356°F, -40° to 180°C Terminal block via ½" NPT (f) IP65 (2) Remote mount transmitter -40° to 500°F, -40° to 260°C Terminal block via ½" NPT (f) IP65 (2) Remote mount transmitter -40° to 212°F, -40° to 100°C Terminal block via M20x1,5 IP65 (2) Remote mount transmitter -40° to 356°F, -40° to 180°C Terminal block via M20x1,5 IP65 (2) Remote mount transmitter -40° to 500°F, -40° to 260°C Terminal block via M20x1,5 IP65 (2) Remote mount transmitter -40° to 140°F, -40° to 60°C Plug-in connector (Harting Han® R 23 IP65 Remote mount transmitter -40° to 212°F, -40° to 100°C Plug-in connector (Harting Han® R 23 IP65 Remote mount transmitter -40° to 356°F, -40° to 180°C Plug-in connector (Harting Han® R 23 IP65 Remote mount transmitter -40° to 500°F, -40° to 260°C Plug-in connector (Harting Han® R 23 IP65 Remote mount transmitter -40° to 212°F, -40° to 100°C Terminal block via ½" NPT (f) IP65 (2) Remote mount transmitter -40° to 356°F, -40° to 180°C Terminal block via ½" NPT (f) IP65 (2) Remote mount transmitter -40° to 500°F, -40° to 260°C Terminal block via ½" NPT (f) IP65 (2) Remote mount transmitter -40° to 212°F, -40° to 100°C Terminal block via M20x1,5 IP65 (2) Remote mount transmitter -40° to 356°F, -40° to 180°C Terminal block via M20x1,5 IP65 (2) Remote mount transmitter -40° to 500°F, -40° to 260°C Terminal block via M20x1,5 IP65 (2) Remote mount transmitter -40° to 212°F, -40° to 100°C Plug-in connector (Harting Han® R 23 IP65 Remote mount transmitter -40° to 356°F, -40° to 180°C Plug-in connector (Harting Han® R 23 IP65 Remote mount transmitter -40° to 500°F, -40° to 260°C Plug-in connector (Harting Han® R 23 IP65 Agency approved, customer specified	
<input type="checkbox"/> 0 <input type="checkbox"/> A	Approvals (Block no. 13) None II 1/2G EEx ia IIC T6 - T2, FM/FMC 3)	
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> X	Calibration flow (Block no. 14) Standard, 3-point 10-point Outside lab Agency approved, customer specified	
<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> X	Calibration density (Block no. 15) None Standard (3-point) Special (5-point) Agency approved, customer specified	
<input type="checkbox"/> 0 <input type="checkbox"/> X	Supplementary equipment (Block no. 16) None With (separate specification required)	
	Media Process temperature min / max Ambient temperature min / max -40° to 140°F [-40° to 60°C] Range Line Pressure Viscosity Density TAG-No. Accuracy (range) Repeatability 0,05% of rate Pressure loss Certificates add. requirements see supplies list Documentation	

1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).
2) Cable glands, select from accessories list.
3) Must be used with approved UMC3 transmitter for system approval.
4) Flanges in DIN-standard on request.



Coriolis Massflowmeter
TMU 080
 Stainless steel
 Hastelloy C-22

Range (0 - 120.000 kg/h)



Modelcode
 valid from: 01.01.2008
 version: 01/08 I

Model number		Description	Notes
Block no.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16		
TMU	- [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []		
	[S] [H]	Wetted materials (Block no. 1)	
		Stainless steel	
		Hastelloy C-22	
	[0] [8] [0] []	Meter line size (Block no. 2, 3, 4)	
		DN80, ANSI 3"	Range min. 0-25.000 kg/h - max. 0-120.000 kg/h
	[12] [C]	Process connection (Block no. 5, 6, 7, 8)	Installation length
	[32] [B]	DN50 PN40 Form C DIN 2501	1176 mm (4)
	[12] [N]	DN50 PN40 Form B1 DIN EN 1092-1	1176 mm (4)
	[31] [2] [D]	DN50 PN40 Form N DIN 2512	1176 mm (4)
	[13] [1] [C]	DN50 PN40 Form D DIN EN 1092-1	1176 mm (4)
	[33] [1] [B]	DN80 PN40 Form C DIN 2501	1196 mm (4)
	[13] [1] [N]	DN80 PN40 Form B1 DIN EN 1092-1	1196 mm (4)
	[33] [1] [D]	DN80 PN40 Form D DIN EN 1092-1	1196 mm (4)
	[13] [5] [C]	DN100 PN16 Form C DIN 2501	1184 mm (4)
	[33] [5] [B]	DN100 PN16 Form B1 DIN EN 1092-1	1184 mm (4)
	[14] [0] [C]	DN100 PN16 Form N DIN 2512	1184 mm (4)
	[34] [0] [B]	DN100 PN16 Form D DIN EN 1092-1	1184 mm (4)
	[14] [5] [C]	DN125 PN16 Form C DIN 2501	1094 mm (4)
	[34] [5] [B]	DN125 PN16 Form B1 DIN EN 1092-1	1094 mm (4)
	[14] [5] [N]	DN150 PN16 Form C DIN 2501	- (4)
	[34] [5] [D]	DN150 PN16 Form B1 DIN EN 1092-1	- (4)
	[14] [5] [R]	DN150 PN16 Form D DIN EN 1092-1	- (4)
	[20] [6] [R]	2" Class 150 RF ASME B16.5-2003	1207 mm
	[24] [6] [R]	2" Class 600 RF ASME B16.5-2003	1226 mm
	[20] [8] [R]	3" Class 150 RF ASME B16.5-2003	1218 mm
	[24] [8] [R]	3" Class 600 RF ASME B16.5-2003	1243 mm
	[21] [0] [R]	4" Class 150 RF ASME B16.5-2003	1230 mm
	[23] [0] [R]	4" Class 300 RF ASME B16.5-2003	1250 mm
	[21] [1] [R]	5" Class 150 RF ASME B16.5-2003	1000 mm
	[23] [1] [R]	5" Class 300 RF ASME B16.5-2003	1000 mm
	[21] [2] [R]	6" Class 150 RF ASME B16.5-2003	-
	[23] [2] [R]	6" Class 300 RF ASME B16.5-2003	-
	[XXXX]	Agency approved, customer specified	
	[A] [B] [X]	Containment options (Block no. 9)	
		Standard containment (carbon steel)	1)
		Standard containment with drain connection 1/2" NPT (f)	1)
		Agency approved, customer specified	
	[0] [B] [X]	Heating / cooling (Block no. 10)	
		None	
		Heating tubes	
		Agency approved, customer specified	
	[0] [A] [B] [C] [D] [E] [F] [G] [H] [X]	Connection for heating / cooling (Block no. 11)	
		None	
		Ermeto EO12	
		Swagelok 12mm	
		DN15 PN40 Form C DIN 2501	
		1/2" Class 150 RF ASME B16.5-2003	
		1/2" NPT (f)	
		DN25 PN40 Form C DIN 2501	
		1" Class 150 RF ASME B16.5-2003	
		1" NPT (f)	
		Agency approved, customer specified	
	[A] [B] [C] [D] [E] [F] [G] [H] [J] [K] [L] [M] [C] [D] [E] [F] [G] [H] [K] [L] [M] [X]	Sensor configuration (Block no. 12)	
		Integral mount transmitter	Process temperature: -4° to 212°F, -20° to 100°C; Sensor Cable Connection: - IP65
		Integral mount transmitter	Process temperature: -4° to 302°F, -20° to 150°C; Sensor Cable Connection: - IP65
		Remote mount transmitter	Process temperature: -40° to 212°F, -40° to 100°C; Sensor Cable Connection: Terminal block via 1/2" NPT (f) IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 356°F, -40° to 180°C; Sensor Cable Connection: Terminal block via 1/2" NPT (f) IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 500°F, -40° to 260°C; Sensor Cable Connection: Terminal block via 1/2" NPT (f) IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 212°F, -40° to 100°C; Sensor Cable Connection: Terminal block via M20x1.5 IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 356°F, -40° to 180°C; Sensor Cable Connection: Terminal block via M20x1.5 IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 500°F, -40° to 260°C; Sensor Cable Connection: Terminal block via M20x1.5 IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 140°F, -40° to 60°C; Sensor Cable Connection: Plug-in connector (Harting Han® R 23)IP65
		Remote mount transmitter	Process temperature: -40° to 212°F, -40° to 100°C; Sensor Cable Connection: Plug-in connector (Harting Han® R 23)IP65
		Remote mount transmitter	Process temperature: -40° to 356°F, -40° to 180°C; Sensor Cable Connection: Plug-in connector (Harting Han® R 23)IP65
		Remote mount transmitter	Process temperature: -40° to 500°F, -40° to 260°C; Sensor Cable Connection: Plug-in connector (Harting Han® R 23)IP65
		Remote mount transmitter	Process temperature: -40° to 212°F, -40° to 100°C; Sensor Cable Connection: Terminal block via 1/2" NPT (f) IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 356°F, -40° to 180°C; Sensor Cable Connection: Terminal block via 1/2" NPT (f) IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 500°F, -40° to 260°C; Sensor Cable Connection: Terminal block via 1/2" NPT (f) IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 212°F, -40° to 100°C; Sensor Cable Connection: Terminal block via M20x1.5 IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 356°F, -40° to 180°C; Sensor Cable Connection: Terminal block via M20x1.5 IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 500°F, -40° to 260°C; Sensor Cable Connection: Terminal block via M20x1.5 IP65 (2)
		Remote mount transmitter	Process temperature: -40° to 140°F, -40° to 60°C; Sensor Cable Connection: Plug-in connector (Harting Han® R 23)IP65
		Remote mount transmitter	Process temperature: -40° to 212°F, -40° to 100°C; Sensor Cable Connection: Plug-in connector (Harting Han® R 23)IP65
		Remote mount transmitter	Process temperature: -40° to 356°F, -40° to 180°C; Sensor Cable Connection: Plug-in connector (Harting Han® R 23)IP65
		Remote mount transmitter	Process temperature: -40° to 500°F, -40° to 260°C; Sensor Cable Connection: Plug-in connector (Harting Han® R 23)IP65
		Agency approved, customer specified	
	[0] [A]	Approvals (Block no. 13)	
		None	
		II 1/2G EEx ia IIC T6 - T2, FM/FMC	3)
	[1] [2] [3] [X]	Calibration flow (Block no. 14)	
		Standard, 3-point	
		10-point	
		Outside lab	
		Agency approved, customer specified	
	[0] [1] [2] [X]	Calibration density (Block no. 15)	
		None	
		Standard (3-point)	
		Special (5-point)	
		Agency approved, customer specified	
	[0] [X]	Supplementary equipment (Block no. 16)	
		None	
		With (separate specification required)	
		Media	...
		Process temperature min / max	...
		Ambient temperature min / max	-40° to 140°F [-40° to 60°C]
		Range	...
		Line Pressure	...
		Viscosity	...
		Density	...
		TAG-No.	...
		Accuracy (range)	...
		Repeatability	0,05% of rate
		Pressure loss	...
		Certificates add. requirements	see supplies list
		Documentation	...

1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).
 2) Cable glands, select from accessories list.
 3) Must be used with approved UMC3 transmitter for system approval.
 4) Flanges in DIN-standard on request.



Coriolis Massflowmeter

TMU 100

Stainless steel
Hastelloy C-22

Range (0 - 200.000 kg/h)



Modelcode

valid from: 01.01.2008

version: 01/08 I

Model number Description Notes

Block no. 1 2 3 4 5678 9 10 11 12 13 14 15 16
TMU -

S
 H

1 0 0

131C
 331B
 131N
 331D
 135C
 335B
 135N
 335D
 145C
 345B
 145N
 345D
 208R
 248R
 210R
 230R
 212R
 232R
 XXXX

A
 B
 X

0
 B
 X

0
 A
 B
 C
 D
 E
 F
 G
 H
 X

A
 B
 C
 D
 E
 F
 G
 H
 J
 K
 L
 M
 C
 D
 E
 F
 G
 H
 K
 L
 M
 X

0
 A

1
 2
 3
 X

0
 1
 2
 X

0
 X

Wetted materials (Block no. 1)
Stainless steel
Hastelloy C-22

Meter line size (Block no. 2, 3, 4)
Range
DN100, ANSI 4" min. 0-30.000 kg/h - max. 0-200.000 kg/h

Process connection	Installation length
DN80 PN40 Form C DIN 2501	1370 mm (4)
DN80 PN40 Form B1 DIN EN 1092-1	1370 mm (4)
DN80 PN40 Form N DIN 2512	1370 mm (4)
DN80 PN40 Form D DIN EN 1092-1	1370 mm (4)
DN100 PN16 Form C DIN 2501	1358 mm (4)
DN100 PN16 Form B1 DIN EN 1092-1	1358 mm (4)
DN100 PN16 Form N DIN 2512	1358 mm (4)
DN100 PN16 Form D DIN EN 1092-1	1358 mm (4)
DN150 PN16 Form C DIN 2501	1090 mm (4)
DN150 PN16 Form B1 DIN EN 1092-1	1090 mm (4)
DN150 PN16 Form N DIN 2512	1090 mm (4)
DN150 PN16 Form D DIN EN 1092-1	1090 mm (4)
3" Class 150 RF ASME B16.5-2003	1388 mm
3" Class 600 RF ASME B16.5-2003	1413 mm
4" Class 150 RF ASME B16.5-2003	1400 mm
4" Class 300 RF ASME B16.5-2003	1420 mm
6" Class 150 RF ASME B16.5-2003	1154 mm
6" Class 300 RF ASME B16.5-2003	1173 mm
Agency approved, customer specified	

Containment options (Block no. 9)
Standard containment (carbon steel) 1)
Standard containment with drain connection 1/2" NPT (f) 1)
Agency approved, customer specified

Heating / cooling (Block no. 10)
None
Heating tubes
Agency approved, customer specified

Connection for heating / cooling (Block no. 11)
None
Ermeto EO12
Swagelok 12mm
DN15 PN40 Form C DIN 2501
1/2" Class 150 RF ASME B16.5-2003
1/2" NPT (f)
DN25 PN40 Form C DIN 2501
1" Class 150 RF ASME B16.5-2003
1" NPT (f)
Agency approved, customer specified

12)	Process temperature	Sensor Cable Connection
Integral mount transmitter	-4° to 212°F, -20° to 100°C	- IP65
Integral mount transmitter	-4° to 302°F, -20° to 150°C	- IP65
Remote mount transmitter	-40° to 212°F, -40° to 100°C	Terminal block via 1/2" NPT (f) IP65 (2)
Remote mount transmitter	-40° to 356°F, -40° to 180°C	Terminal block via 1/2" NPT (f) IP65 (2)
Remote mount transmitter	-40° to 500°F, -40° to 260°C	Terminal block via 1/2" NPT (f) IP65 (2)
Remote mount transmitter	-40° to 212°F, -40° to 100°C	Terminal block via M20x1,5 IP65 (2)
Remote mount transmitter	-40° to 356°F, -40° to 180°C	Terminal block via M20x1,5 IP65 (2)
Remote mount transmitter	-40° to 500°F, -40° to 260°C	Terminal block via M20x1,5 IP65 (2)
Remote mount transmitter	-40° to 140°F, -40° to 60°C	Plug-in connector (Harting Han® R 23 IP65
Remote mount transmitter	-40° to 212°F, -40° to 100°C	Plug-in connector (Harting Han® R 23 IP65
Remote mount transmitter	-40° to 356°F, -40° to 180°C	Plug-in connector (Harting Han® R 23 IP65
Remote mount transmitter	-40° to 500°F, -40° to 260°C	Plug-in connector (Harting Han® R 23 IP65
Remote mount transmitter	-40° to 212°F, -40° to 100°C	Terminal block via 1/2" NPT (f) IP65 (2)
Remote mount transmitter	-40° to 356°F, -40° to 180°C	Terminal block via 1/2" NPT (f) IP65 (2)
Remote mount transmitter	-40° to 500°F, -40° to 260°C	Terminal block via 1/2" NPT (f) IP65 (2)
Remote mount transmitter	-40° to 212°F, -40° to 100°C	Terminal block via M20x1,5 IP65 (2)
Remote mount transmitter	-	IP65 (2)
Remote mount transmitter	-40° to 500°F, -40° to 260°C	Terminal block via M20x1,5 IP65 (2)
Remote mount transmitter	-40° to 212°F, -40° to 100°C	Plug-in connector (Harting Han® R 23 IP65
Remote mount transmitter	-40° to 356°F, -40° to 180°C	Plug-in connector (Harting Han® R 23 IP65
Remote mount transmitter	-40° to 500°F, -40° to 260°C	Plug-in connector (Harting Han® R 23 IP65
Agency approved, customer specified		

Approvals (Block no. 13)
None
II 1/2G EEx ia IIC T6 - T2, FM/FMC (3)

Calibration flow (Block no. 14)
Standard, 3-point
10-point
Outside lab
Agency approved, customer specified

Calibration density (Block no. 15)
None
Standard (3-point)
Special (5-point)
Agency approved, customer specified

Supplementary equipment (Block no. 16)
None
With (separate specification required)

Media	...
Process temperature min / max	...
Ambient temperature min / max	-40° to 140°F [-40° to 60°C]
Range	...
Line Pressure	...
Viscosity	...
Density	...
TAG-No.	...
Accuracy (range)	...
Repeatability	0,05% of rate
Pressure loss	...
Certificates add. requirements	see supplies list
Documentation	...

1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).

2) Cable glands, select from accessories list.

3) Must be used with approved UMC3 transmitter for system approval.

4) Flanges in DIN-standard on request.



Coriolis Massflowmeter
TMU 150
 Stainless steel
 Hastelloy C-22

Range (0 - 460.000 kg/h)



Modelcode
 valid from: 01.01.2008
 version: 01/08 I

Model number		Description	Notes
Block no.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16		
TMU	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
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Coriolis Massflowmeter
TMU 200
 Stainless steel
 Hastelloy C-22

Range (0 - 700.000 kg/h)



Modelcode
 valid from: 01.01.2008
 version: 01/08 I

Model number	Description	Notes																																																																																								
Block no. 1 2 3 4 5678 9 10 11 12 13 14 15 16 TMU <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																																																																																										
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<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> X	Calibration density (Block no. 15) None Standard (3-point) Special (5-point) Agency approved, customer specified																																																																																									
<input type="checkbox"/> 0 <input type="checkbox"/> X	Supplementary equipment (Block no. 16) None With (separate specification required)																																																																																									
	Media ... Process temperature min / max ... Ambient temperature min / max -40° to 140°F [-40° to 60°C] Range ... Line Pressure ... Viscosity ... Density ... TAG-No. ... Accuracy (range) ... Repeatability 0,05% of rate Pressure loss ... Certificates add. requirements see supplies list Documentation ...																																																																																									

1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).
 2) Cable glands, select from accessories list.
 3) Must be used with approved UMC3 transmitter for system approval.
 4) Flanges in DIN-standard on request.



Coriolis Massflowmeter
TMU 300
 Stainless steel
 Hastelloy C-22
 Range (0 - 2.200.000 kg/h)



Modelcode
 valid from: 01.01.2008
 version: 01/08 I

Model number	Description	Notes																																																																																																																		
Block no. 1 2 3 4 5678 9 10 11 12 13 14 15 16 TMU - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Wetted materials (Block no. 1) Stainless steel Hastelloy C-22 Meter line size (Block no. 2, 3, 4) Range DN300, ANSI 12" min. 0-400.000 kg/h - max. 0-2.200.000 kg/h Process connection (Block no. 5, 6, 7, 8) Installation length DN250 PN10 Form C DIN 2501 2913 mm 4) DN250 PN10 Form B1 DIN EN 1092-1 2913 mm 4) DN300 PN10 Form C DIN 2501 2925 mm 4) DN300 PN10 Form B1 DIN EN 1092-1 2925 mm 4) DN350 PN10 Form C DIN 2501 2933 mm 4) DN350 PN10 Form B1 DIN EN 1092-1 2933 mm 4) DN400 PN10 Form C DIN 2501 on request 4) DN400 PN10 Form B1 DIN EN 1092-1 on request 4) 10" Class 150 RF ASME B16.5-2003 2976 mm 10" Class 300 RF ASME B16.5-2003 3008 mm 12" Class 150 RF ASME B16.5-2003 2995 mm 12" Class 300 RF ASME B16.5-2003 3030 mm 14" Class 150 RF ASME B16.5-2003 3020 mm 14" Class 300 RF ASME B16.5-2003 3050 mm 16" Class 150 RF ASME B16.5-2003 on request Agency approved, customer specified Containment options (Block no. 9) Standard containment (carbon steel) 1) Standard containment with drain connection 1/2" NPT (f) 1) Agency approved, customer specified Heating / cooling (Block no. 10) None Heating tubes Agency approved, customer specified Connection for heating / cooling (Block no. 11) None Ermeto EO12 Swagelok 12mm DN15 PN40 Form C DIN 2501 1/2" Class 150 RF ASME B16.5-2003 1/2" NPT (f) DN25 PN40 Form C DIN 2501 1" Class 150 RF ASME B16.5-2003 1" NPT (f) Agency approved, customer specified Sensor configuration (Block no. 12) <table border="1"> <thead> <tr> <th>Integral mount transmitter</th> <th>Process temperature</th> <th>Sensor Cable 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1) Containment welded for meter line size up to TMU040 (1.4301, 316L) (IP68), screwed for meter line size from TMU050 (carbon steel) (IP65).
 2) Cable glands, select from accessories list.
 3) Must be used with approved UMC3 transmitter for system approval.
 4) Flanges in DIN-standard on request.