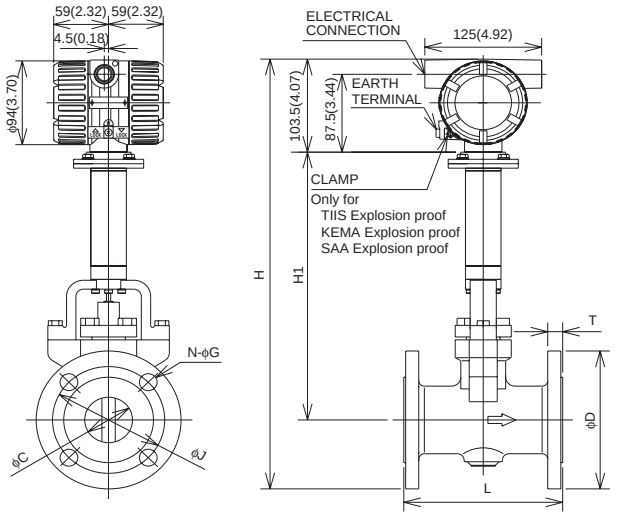
Drawings

Models DY015, DY025, DY040, DY050, DY080 and DY100 (digitalYEWFLO)
High Process Temperature Version(/HT) and Cryogenic Version(/LT)
Digital Vortex Flowmeter (Remote and Flange type)



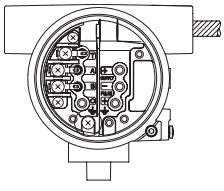
Unit: mm
(approx. inch)

TYPE		Only for REMOTE																					
CODE		DY015 (15mm,½in) Only for /LT											DY025 (25mm,2in) /LT, /HT										
PROCESS CONNECTION		BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 - BD4	BD5 - BD6	CA4	CA5	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 BD4	BD5 BD6	CA4	CA5
L		130 (5.12)						160 (6.30)	130 (5.12)		140 (5.51)	160 (6.30)	150 (5.91)						190 (7.48)	150 (5.91)		170 (6.69)	190 (7.48)
C		14.6 (0.57)											25.7 (1.01)										
D		95 (3.74)	95 (3.74)	115 (4.53)	88.9 (3.50)	95.3 (3.75)	95.3 (3.75)	120.7 (4.75)	95 (3.74)	105 (4.13)	95.3 (3.75)	120.7 (4.75)	125 (4.92)	125 (4.92)	130 (5.12)	108 (4.25)	124 (4.88)	124 (4.88)	124 (4.88)	149.4 (5.88)	115 (4.53)	140 (5.51)	124 (4.88)	149.4 (5.88)
H		421 (16.57)	421 (16.57)	431 (16.97)	418 (16.46)	421 (16.57)	421 (16.57)	434 (17.09)	421 (16.57)	426 (16.77)	421 (16.57)	434 (17.09)	438 (17.24)	438 (17.24)	441 (17.36)	430 (16.93)	438 (17.24)	438 (17.24)	450 (17.72)	433 (17.05)	446 (17.56)	438 (17.24)	450 (17.18)
H1		270 (10.63)											272 (10.71)										
T		12 (0.47)	14 (0.55)	20 (0.79)	11.2 (0.44)	14.2 (0.56)	21 (0.83)	28.8 (1.13)	16 (0.63)	20 (0.79)	19.9 (0.78)	28.8 (1.13)	14 (0.55)	16 (0.63)	22 (0.87)	14.2 (0.56)	17.5 (0.69)	24 (0.94)	34.9 (1.37)	18 (0.71)	24 (0.94)	24 (0.94)	34.9 (1.37)
J		70 (2.76)	70 (2.76)	80 (3.15)	60.5 (2.38)	66.5 (2.62)	66.5 (2.62)	82.6 (2.25)	65 (2.56)	75 (2.95)	66.5 (2.62)	82.6 (2.25)	90 (3.54)	90 (3.54)	95 (3.74)	79.2 (3.12)	89 (3.50)	89 (3.50)	101.6 (4.00)	85 (3.35)	100 (3.94)	89 (3.50)	101.6 (4.00)
N		4 (0.16)											4 (0.16)										
G		15 (0.59)	15 (0.59)	19 (0.75)	15.7 (0.62)	15.7 (0.62)	15.7 (0.62)	22.4 (0.88)	14 (0.55)	14 (0.55)	15.7 (0.62)	22.4 (0.88)	19 (0.75)	19 (0.75)	19 (0.75)	15.7 (0.62)	19 (0.75)	19 (0.75)	25.4 (1.00)	14 (0.55)	18 (0.71)	19 (0.75)	25.4 (1.00)
WEIGHT	kg	4.6	4.7	6.3	4.5	4.7	5.0	7.1	4.6	5.8	4.9	7.2	7.3	7.5	9.0	7.0	7.6	8.1	11.5	7.3	10.0	8.3	11.8
	lb	10.14	10.36	13.89	9.92	10.36	11.03	15.66	10.14	12.79	10.80	15.88	16.10	16.54	19.85	15.44	16.76	17.86	25.36	16.10	22.05	18.30	26.02

TYPE		Only for REMOTE																					
CODE		DY040 (40mm,1½in) /LT, /HT											DY050 (50mm,2in) /LT, /HT										
PROCESS CONNECTION		BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 - BD4	BD5 - BD6	CA4	CA5	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 BD4	BD5	BD6	CA4	CA5
L		150 (5.91)						200 (7.87)	150 (5.91)		185 (7.28)	200 (7.87)	170 (6.69)						230 (9.06)	170 (6.69)			205 (8.07)	230 (9.06)
C		39.7 (1.56)											51.1 (2.01)										
D		140 (5.51)	140 (5.51)	160 (6.30)	127 (5.00)	155.4 (6.12)	155.4 (6.12)	177.8 (7.00)	150 (5.91)	170 (6.69)	155.4 (6.12)	177.8 (7.00)	155 (6.10)	155 (6.10)	165 (6.50)	152.4 (6.00)	165.1 (6.50)	165.1 (6.50)	215.9 (8.50)	165 (6.50)	180 (7.09)	195 (7.68)	165.1 (6.50)	215.9 (8.50)
H		453 (17.83)	453 (17.83)	463 (18.23)	446 (17.56)	460 (18.11)	460 (18.11)	472 (18.58)	458 (18.03)	468 (18.43)	460 (18.11)	472 (18.58)	482 (18.98)	482 (18.98)	487 (19.17)	481 (18.94)	487 (19.17)	487 (19.17)	513 (20.20)	487 (19.17)	495 (19.49)	502 (19.76)	487 (19.17)	513 (20.20)
H1		279 (10.98)											301 (11.85)										
T		16 (0.63)	18 (0.71)	26 (1.02)	17.5 (0.69)	20.6 (0.81)	28.8 (1.13)	38.2 (1.50)	18 (0.71)	26 (1.02)	28.8 (1.13)	38.2 (1.50)	16 (0.63)	18 (0.71)	26 (1.02)	19.1 (0.75)	22.4 (0.88)	31.8 (1.25)	44.5 (1.75)	20 (0.79)	26 (1.02)	28 (1.10)	33.3 (1.31)	46 (1.81)
J		105 (4.13)	105 (4.13)	120 (4.72)	98.6 (3.88)	114.3 (4.50)	114.3 (4.50)	124 (4.88)	110 (4.33)	125 (4.92)	114.3 (4.50)	124 (4.88)	120 (4.72)	120 (4.72)	130 (5.12)	120.7 (4.75)	127 (5.00)	127 (5.00)	165.1 (6.50)	125 (4.92)	135 (5.31)	145 (5.71)	127 (5.00)	165.1 (6.50)
N		4 (0.16)											4 (0.16)	8 (0.31)	8 (0.31)	4 (0.16)	8 (0.31)	8 (0.31)	8 (0.31)	4 (0.16)	4 (0.16)	4 (0.16)	8 (0.31)	8 (0.31)
G		19 (0.75)	19 (0.75)	23 (0.91)	15.7 (0.62)	22.4 (0.88)	22.4 (0.88)	28.4 (1.12)	18 (0.71)	22 (0.87)	22.4 (0.88)	28.4 (1.12)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	19 (0.75)	25.4 (1.00)	18 (0.71)	22 (0.87)	26 (1.02)	19 (0.75)	25.4 (1.00)
WEIGHT	kg	8.6	8.8	12.3	8.5	9.7	11.7	16.6	9.2	13.1	12.1	16.7	11.5	12.0	14.7	12.1	13.6	15.2	26.9	11.7	14.7	15.6	16.2	27.3
	lb	18.96	19.40	27.12	18.74	21.39	25.80	36.60	20.29	28.89	26.68	36.82	25.36	26.46	32.42	26.68	29.99	33.52	59.32	25.80	32.41	34.40	35.72	60.20

TYPE		Only for REMOTE																									
CODE		DY080 (80mm,3in) /LT, /HT												DY100 (100mm,4in) /LT, /HT													
PROCESS CONNECTION		BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 - BD2	BD3 - BD4	BD5	BD6	CA4	CA5	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 - BD2	BD3 - BD4	BD5	BD6	CA4	CA5
L		200 (7.87)						245 (9.65)	200 (7.87)				235 (9.25)	250 (9.84)	220 (8.66)				240 (9.45)	280 (11.02)	220 (8.66)					270 (10.63)	285 (11.22)
C		71 (2.80)													93.8 (3.69)												
D		185 (7.28)	200 (7.87)	210 (8.27)	190.5 (7.50)	209.6 (8.25)	209.6 (8.25)	241.3 (9.50)	200 (7.87)	200 (7.87)	215 (8.46)	230 (9.06)	209.6 (8.25)	241.3 (9.50)	210 (8.27)	225 (8.86)	250 (9.84)	228.6 (9.00)	254 (10.00)	273 (10.75)	292.1 (11.50)	220 (8.66)	235 (9.25)	250 (9.84)	265 (10.43)	273 (10.75)	292.1 (11.50)
H		514 (20.24)	522 (20.55)	527 (20.75)	517 (20.35)	527 (20.75)	527 (20.75)	542 (21.34)	522 (20.55)	522 (20.55)	529 (20.83)	837 (21.14)	527 (20.75)	542 (21.34)	542 (21.34)	549 (21.61)	562 (22.13)	552 (21.73)	564 (22.20)	573 (22.56)	583 (22.95)	547 (21.54)	554 (21.81)	562 (22.13)	569 (22.40)	573 (22.56)	583 (22.95)
H1		318 (12.52)													333 (13.11)												
T		18 (0.71)	22 (0.87)	32 (1.26)	23.9 (0.94)	28.4 (1.12)	38.2 (1.50)	44.5 (1.75)	20 (0.79)	24 (0.94)	28 (1.10)	32 (1.26)	39.7 (1.56)	46 (1.81)	18 (0.71)	24 (0.94)	36 (1.42)	23.9 (0.94)	31.8 (1.25)	44.5 (1.75)	50.9 (2.00)	20 (0.79)	24 (0.94)	30 (1.18)	36 (1.42)	46 (1.81)	52.4 (2.06)
J		150 (5.91)	160 (6.30)	170 (6.69)	152.4 (6.00)	168.2 (6.62)	168 (6.61)	190.5 (7.50)	160 (6.30)	160 (6.30)	170 (6.69)	180 (7.09)	170 (6.69)	180 (7.09)	175 (6.89)	185 (7.28)	205 (8.07)	190.5 (7.50)	200.2 (7.88)	216 (8.50)	235 (9.25)	180 (7.09)	190 (7.48)	200 (7.87)	210 (8.27)	216 (8.50)	235 (9.25)
N		8 (0.31)	8 (0.31)	8 (0.31)	4 (0.16)	8 (0.31)	8 (0.31)	8 (0.31)	8 (0.31)	8 (0.31)	8 (0.31)	8 (0.31)	8 (0.31)	8 (0.31)	8 (0.31)													
G		19 (0.75)	23 (0.91)	23 (0.91)	19 (0.75)	22.4 (0.88)	22.4 (0.88)	25.4 (1.00)	18 (0.71)	18 (0.71)	22 (0.87)	26 (1.02)	22.4 (0.88)	25.4 (1.00)	19 (0.75)	23 (0.91)	25 (0.98)	19 (0.75)	22.4 (0.88)	25.4 (1.00)	31.8 (1.25)	18 (0.71)	22 (0.87)	26 (1.02)	30 (1.18)	25.4 (1.00)	31.8 (1.25)
WEIGHT	kg	17.8	20.4	25.8	20.4	24.2	25.8	36.1	19.8	20.4	24.5	27.4	27.5	36.7	23.2	27.2	38.5	27.7	36.3	51.2	56.3	23.6	27.8	33.4	40.1	53.2	57.0
	lb	39.25	44.98	56.89	44.98	53.36	56.89	79.60	43.66	44.98	54.02	60.42	60.64	80.92	51.16	59.98	84.89	61.30	80.04	112.90	124.14	52.04	61.30	73.65	88.42	117.31	125.69

(Note 1) The flow direction is opposite (right to left when facing onto indicator) in case of code / CRC.



Remote type

Terminal Wiring

Remote Type Detector	T	Built-in Temperature Sensor Terminal
	A, B	Signal Output Terminal
	C	Common Terminal
	⏚	Ground Terminal

* Use DYC signal cable
* T is used for /MV only.

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