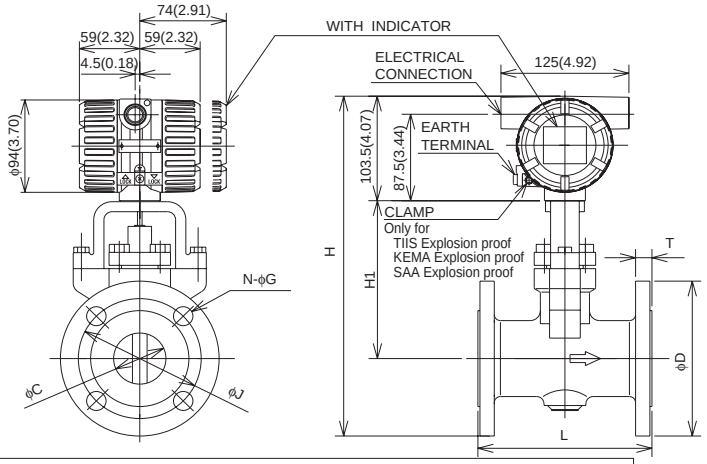
Drawings

Models DY015, DY025, DY040, DY050, DY080 and DY100 (digitalYEWFLO)
Digital Vortex Flowmeter
(Integral / Remote and Flange type)

digitalYEWFLO

Unit: mm
(approx. inch)

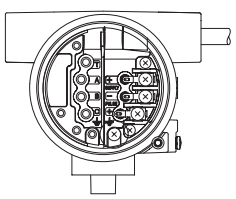


TYPE		INTEGRAL/REMOTE																					
CODE		DY015 (15mm,½in)											DY025 (25mm,1in)										
PROCESS CONNECTION		BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 - BD4	BD5 - BD6	CA4	CA5	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 - BD4	BD5 - BD6	CA4	CA5
L		130 (5.12)						160 (6.30)	130 (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 (0.58)											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)	149.4 (5.88)	115 (4.53)	140 (5.51)	124 (4.88)	149.4 (5.88)
H		278 (10.94)	278 (10.94)	288 (11.34)	275 (10.83)	278 (10.94)	278 (10.94)	291 (11.46)	278 (10.94)	283 (11.14)	278 (10.94)	291 (11.46)	295 (11.61)	295 (11.61)	297.5 (11.91)	286.5 (11.28)	294.5 (11.59)	294.5 (11.59)	307 (12.09)	290 (11.42)	302.5 (11.91)	294.5 (11.59)	307 (12.09)
H1		127 (5.00)											129 (5.08)										
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 (7.15)	60.5 (2.38)	66.5 (2.62)	66.5 (2.62)	82.6 (3.25)	65 (2.56)	75 (2.95)	66.5 (2.62)	82.6 (3.25)	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	4.2	4.3	5.9	4.1	4.3	4.6	6.7	4.2	5.4	4.5	6.8	6.9	7.1	8.6	6.6	7.2	7.7	11.1	6.9	9.6	7.9	11.4
	lb	9.26	9.48	13.01	9.04	9.48	10.14	14.77	9.26	11.91	9.92	14.99	15.21	15.66	18.96	14.55	15.88	16.98	24.48	15.21	21.17	17.42	25.14

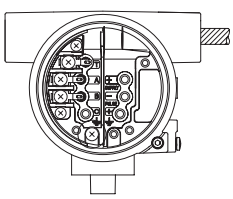
TYPE		INTEGRAL/REMOTE																					
CODE		DY040 (40mm,1½in)											DY050 (50mm, 2in)										
PROCESS CONNECTION		BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 - BD4	BD5 - BD6	CA4	CA5	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 - BD4	BD5	BD6	CA4	CA5
L		150 (5.91)						200 (7.87)	150 (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		309.5 (12.19)	309.5 (12.19)	319.5 (12.58)	303 (11.93)	317 (12.48)	317 (12.48)	328.5 (12.93)	314.5 (12.38)	324.5 (12.78)	317 (12.48)	328.5 (12.93)	339 (13.35)	339 (13.35)	344 (13.54)	337.5 (13.29)	344 (13.54)	344 (13.54)	369.5 (14.55)	344 (13.54)	351.5 (13.84)	359 (14.13)	344 (13.54)	369.5 (14.55)
H1		136 (5.35)											158 (6.22)											
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 (5.32)	145 (5.71)	127 (5.00)	165.1 (6.50)
N		4 (0.16)											4 (0.16)	8 (0.31)	4 (0.16)	8 (0.31)	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	8.2	8.4	11.9	8.1	9.3	11.3	16.2	8.8	12.7	11.7	16.3	11.1	11.6	14.3	11.7	13.2	14.8	26.5	11.3	14.3	15.2	15.8	26.9
	lb	18.08	18.52	26.24	17.86	20.51	24.92	35.72	19.40	28.00	25.80	35.94	24.48	25.58	31.53	25.80	29.11	32.63	58.43	24.92	31.53	33.52	34.84	59.31

TYPE		INTEGRAL/REMOTE																							
CODE		DY080 (80mm, 3in)												DY100 (100mm, 4in)											
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 (8.90)	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		371 (14.61)	378.5 (14.90)	383.5 (15.10)	374 (14.72)	383.5 (15.10)	383.5 (15.10)	399 (15.71)	378.5 (14.90)	378.5 (14.90)	386 (15.20)	393.5 (15.49)	383.5 (15.10)	399 (15.71)	398.5 (15.69)	406 (15.98)	418.5 (16.48)	408 (16.06)	420.5 (16.56)	430 (16.93)	439.5 (17.30)	403.5 (15.89)	411 (16.18)	418.5 (16.48)	426 (16.77)	430 (16.93)	439.5 (17.30)
H1		175 (6.89)													190 (7.48)												
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 (0.95)	28 (1.10)	32 (1.26)	39.7 (1.56)	46 (1.81)	18 (0.71)	24 (0.95)	36 (1.42)	23.9 (0.94)	31.8 (1.25)	44.5 (1.75)	50.9 (2.00)	20 (0.79)	24 (0.95)	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)	168 (6.61)	190.5 (7.50)	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	17.4	20	25.4	20	23.8	25.4	35.7	19.4	20	24.1	27	27.1	36.3	22.8	26.8	38.1	27.4	35.9	50.8	55.9	23.2	27.4	33	39.7	52.8	56.6
	lb	38.37	44.10	56.01	44.10	52.48	56.01	78.72	42.78	44.10	53.14	59.55	59.76	80.04	50.27	59.09	84.01	60.42	79.16	112.01	123.26	51.16	60.42	72.77	87.54	116.42	124.80

(Note 1) Integral weight is the same as Remote
(Note 2) In the case of with Indicator, add 0.2 kg
(Note 3) The flow direction is opposite (right to left when facing onto indicator) in case of code / CRC.



Integral type



Remote type

Terminal Wiring

Integral Type (BRAIN or HART protocol)	SUPPLY + / − ┐ Power Supply and 4 to 20mA DC Output Terminal PULSE + / − ┘ Pulse Output Terminal
Integral Type (Foundation Fieldbus)	SUPPLY + / SUPPLY − ┐ Fieldbus Communication Terminal
Remote Type Detector	T Built-in Temperature Sensor Terminal A / B ┐ Signal Output Terminal C Common Terminal
	⏚ Ground Terminal

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

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