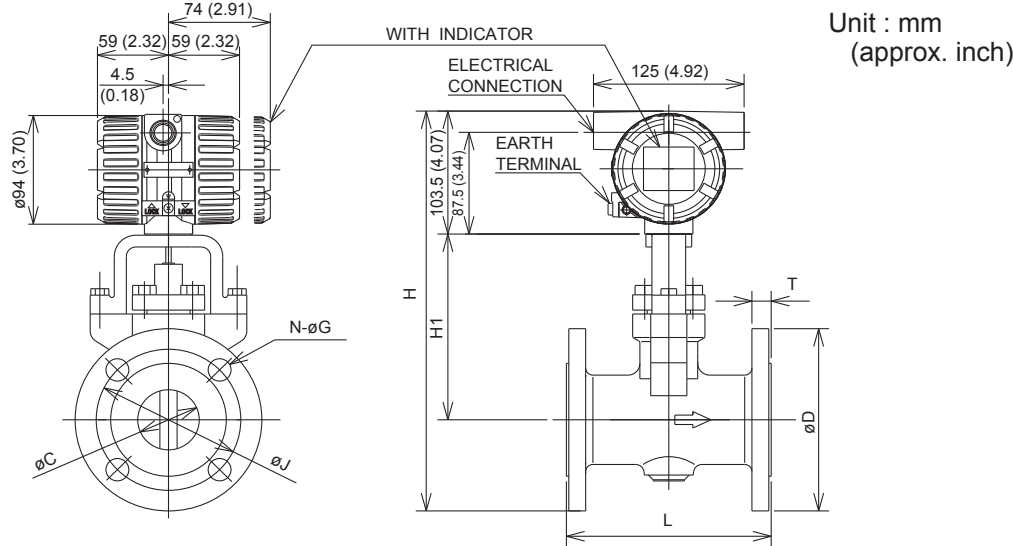


# Drawings

## digitalYEWFLO Series Vortex Flowmeter Integral / Remote, Flange [DY015, DY025, DY040, DY050, DY080, DY100]

digitalYEWFLO

SD 01F06A00-02EN



Unit : mm  
(approx. inch)

TYPE	INTEGRAL/REMOTE										INTEGRAL/REMOTE														
MODEL CODE	DY015										DY025														
PROCESS CONNECTION	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 to BD4 FD1 to FD4	CA4	CA5	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 to BD4 FD1 to FD4	CA4	CA5					
L	130 (5.12)					160 (6.30)					130 (5.12)					140 (5.51)					160 (6.30)				
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)	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)	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)	278 (10.94)	291 (11.46)	295 (11.61)	295 (11.61)	297.5 (11.81)	288.5 (11.28)	294.5 (11.59)	294.5 (11.59)	307 (12.09)	290 (11.42)	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)	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)	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)	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)	89 (3.50)	101.6 (4.00)					
N	4										4														
G	15 (0.59)	15 (0.59)	19 (0.75)	15.7 (0.62)	15.7 (0.62)	22.4 (0.88)	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)	19 (0.75)	25.4 (1.00)						
WEIGHT kg (lb)	4.2 (9.26)	4.3 (9.48)	5.9 (13.01)	4.1 (9.04)	4.3 (9.48)	4.6 (10.14)	6.7 (14.77)	4.2 (9.26)	4.5 (9.92)	6.8 (14.99)	7.1 (15.66)	7.1 (15.66)	8.6 (18.96)	6.6 (14.55)	7.2 (15.88)	7.7 (16.98)	11.1 (24.48)	6.9 (15.21)	7.9 (17.42)	11.4 (25.14)					

TYPE	INTEGRAL/REMOTE										INTEGRAL/REMOTE														
MODEL CODE	DY040										DY050														
PROCESS CONNECTION	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 to BD4 FD1 to FD4	CA4	CA5	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 to BD4 FD1 to FD4	CA4	CA5					
L	150 (5.91)					200 (7.87)					150 (5.91)					185 (7.28)					200 (7.87)				
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)	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)	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)	317 (12.48)	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)	395.5 (15.56)	344 (13.54)	344 (13.54)	395.5 (15.56)					
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)	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)	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)	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)	127 (5.00)	165.1 (6.50)					
N	4										4														
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)	22.4 (0.88)	28.4 (1.12)	19 (0.75)	19 (0.75)	19 (0.75)	15.7 (0.62)	19 (0.75)	19 (0.75)	25.4 (1.00)	18 (0.71)	19 (0.75)	25.4 (1.00)					
WEIGHT kg (lb)	8.2 (18.08)	8.4 (18.52)	11.9 (26.24)	8.1 (17.86)	9.3 (20.51)	11.3 (24.92)	16.2 (35.72)	8.8 (19.4)	11.7 (25.8)	16.3 (35.94)	11.1 (24.48)	11.6 (25.58)	14.3 (31.53)	11.7 (25.8)	13.2 (29.11)	14.8 (32.63)	26.5 (58.43)	11.3 (24.92)	15.8 (34.84)	26.9 (59.31)					

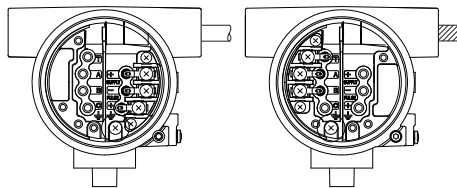
TYPE	INTEGRAL/REMOTE										INTEGRAL/REMOTE														
MODEL CODE	DY080										DY100														
PROCESS CONNECTION	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 to BD2 FD1 to FD2	BD3 to BD4 FD3 to FD4	CA4	CA5	BJ1	BJ2	BJ4	BA1 BS1	BA2 BS2	BA4 BS4	BA5 BS5	BD1 to BD2 FD1 to FD2	BD3 to BD4 FD3 to FD4	CA4	CA5			
L	200 (7.87)					245 (9.65)					200 (7.87)					235 (9.25)					250 (9.84)				
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)	209.6 (8.25)	241.3 (9.50)	210 (8.27)	225 (8.90)	250 (9.84)	228.8 (9.00)	254 (10.00)	273 (10.75)	292.1 (11.50)	220 (8.66)	235 (9.25)	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)	383.5 (15.10)	399 (15.71)	388.5 (15.89)	406 (15.98)	418.5 (16.48)	409 (16.10)	420.5 (16.56)	430 (16.93)	439.5 (17.30)	403.5 (15.89)	411 (16.18)	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)	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)	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)	168.2 (6.62)	190.5 (7.50)	160 (6.30)	160 (6.30)	168.2 (6.62)	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)	216 (8.50)	235 (9.25)			
N	8										8														
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)	22.4 (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)	25.4 (1.00)	31.8 (1.25)			
WEIGHT kg (lb)	17.4 (38.37)	20 (44.1)	25.4 (56.01)	20 (44.1)	23.8 (52.48)	25.4 (56.01)	35.7 (78.72)	19.4 (42.78)	20 (44.1)	27.1 (59.76)	36.3 (80.04)	22.8 (50.27)	26.8 (59.09)	38.1 (84.01)	27.4 (60.42)	35.9 (79.16)	50.8 (112.01)	55.9 (123.26)	23.2 (51.16)	27.4 (60.42)	52.8 (116.42)	56.6 (124.8)			

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

### Terminal Wiring

Integral Type (BRAIN or HART protocol)	SUPPLY + } Power Supply and - } 4 to 20mA DC Output Terminals
	PULSE + } Pulse Output Terminals
Integral Type (Foundation Fieldbus)	SUPPLY + } Fieldbus Communication SUPPLY - } Terminals
Remote Type Detector	T Built-in Temperature Sensor Terminal
	A } Signal Output Terminals B }
	C Common Terminal
	⊥ Grounding Terminal

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



Integral type

Remote type

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