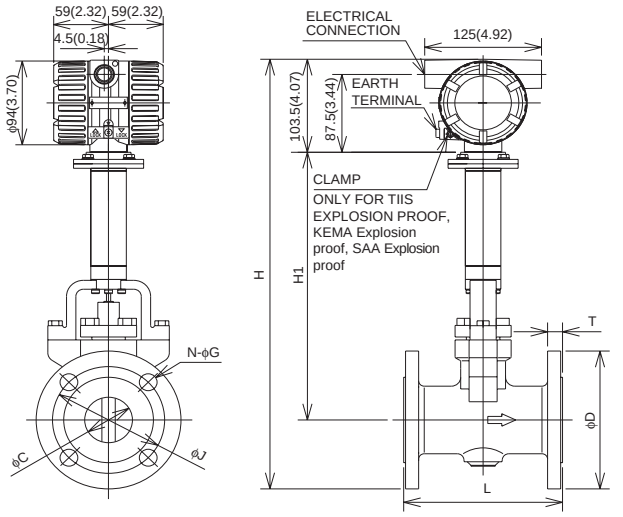
# Drawings

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)

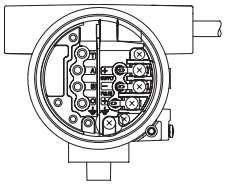



| TYPE | | INTEGRAL/REMOTE | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | | DY015 (15mm,½in) Only for /LT | | | | | | | | | | | DY025 (25mm,2in) /LT, /HT | | | | | | | | | | |
| PROCESS CONNECTION | | 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) | 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 |

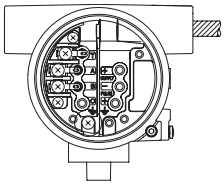
| TYPE | | INTEGRAL/REMOTE | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE | | DY040 (40mm,1½in) /LT, /HT | | | | | | | | | | | DY050 (50mm,2in) /LT, /HT | | | | | | | | | | |
| PROCESS CONNECTION | | 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 | | INTEGRAL/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) | | | | | | | 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.



Integral type



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.




All Rights Reserved, Copyright © 2000, Yokogawa Electric Corporation.
Subject to change without notice. Printed in Japan.



SD 01F06A00-05E
1st Edition: Dec. 22, 2000
6th Edition: Jan. 31, 2007