

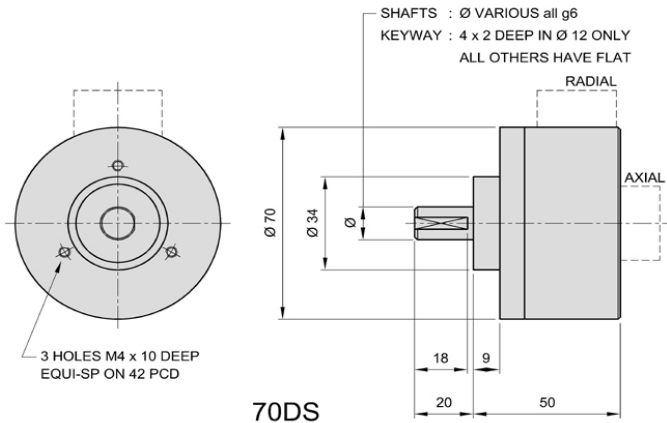
S E R I E S



70DS STAINLESS STEEL

ROTARY INCREMENTAL SHAFT ENCODER

The 70DS Series is a precision yet versatile shaft encoder manufactured in *food industry approved 316 - Stainless Steel* and is sealed to IP66 / IP67 as standard, making it capable of withstanding direct water jet sprays at up to 220psi (15 Bar). However, the 70mm frame size, front face mounting holes and flange mounting face, can easily make the encoder compatible with many industrial formats & flanges.



S P E C I F I C A T I O N S

Body:

Precision Machined
 316 - Stainless Steel

Cover:

Precision Machined
 316 - Stainless Steel

Shaft:

Stainless Steel

Bearings:

Ballraces

Shaft Sealing:

Dependant on
 environment type
 (see Ordering Codes)

Protection:
 (IP66 / IP67)

Operating Temp:
 -20 to +60°C
 (Higher on request)

Maximum Speed:
 3000 RPM
 (Higher on request)

Torque:
 2.9Ncm (typical)

Inertia:

100gcm² (typical)

Shaft Loading:

Axial = 10N (max)
 Radial = 10N (max)

Cable:

Screened, oil and salt water
 proof

Impulse Frequency:

Up to 300KHz
 (depending on model)

Current Consumption:

60mA
 (typical - without load)

S T A N D A R D R E S O L U T I O N S

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,
 47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,
 89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,
 122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,
 152,153,154,155,156,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,
 183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,
 213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,
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 303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,
 936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,
 966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,
 996,997,998,999,1000,1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1012,1013,1014,1015,1016,1017,1018,1019,
 1020,1021,1022,1023,1024,1025,1026,1250,1270,1400,1500,1800,2000,2048,2250,2400,2500,3000,3600,4000,4096,5000,6000,
 9000,10000...

CONNECTIONS

FUNCTION CABLE PLUG

0 Volts	Black	Pin 1
+ Volts	Red	Pin 2
A Channel	White	Pin 3
B Channel	Blue	Pin 4
Z Channel	Yellow	Pin 5
\bar{A} Channel	Green	Pin 6
\bar{B} Channel	Violet	Pin 7
\bar{Z} Channel	Brown	Pin 8

ACCESSORIES AVAILABLE

~COUPLINGS

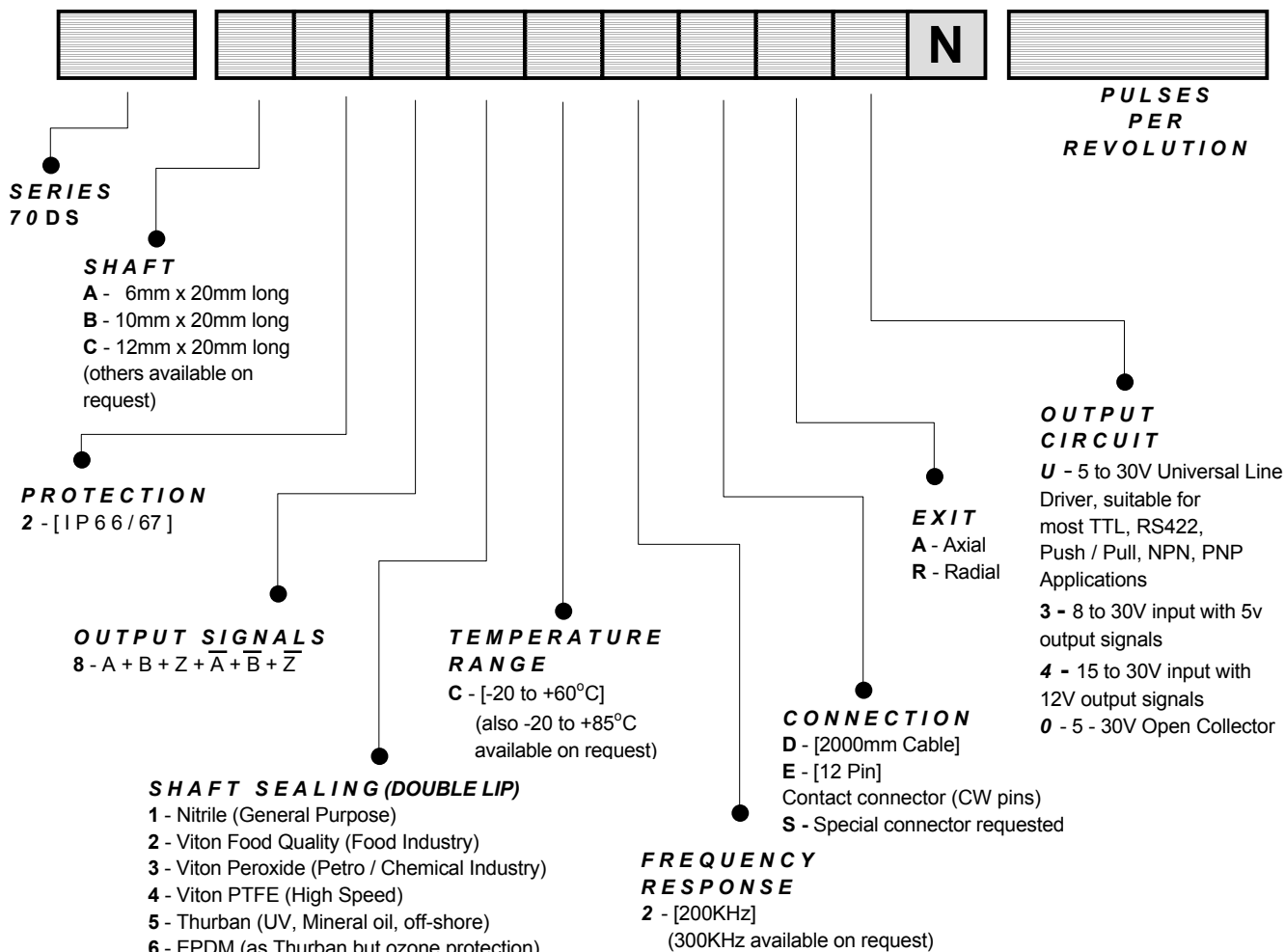
~BRACKETS & FLANGES

~MEASURING WHEELS

STANDARD FEATURES

- IP66/67 Protection
- Automatic Calibration
- Short - Circuit & Overload Protection
- UK Manufactured
- High Noise Immunity
- Robust Construction
- Low Cost
- Fast Delivery
- 3 YEAR WARRANTY

STANDARD ORDERING CODES



Note: All shaft seals are double-lip and are fitted with appropriate grease.