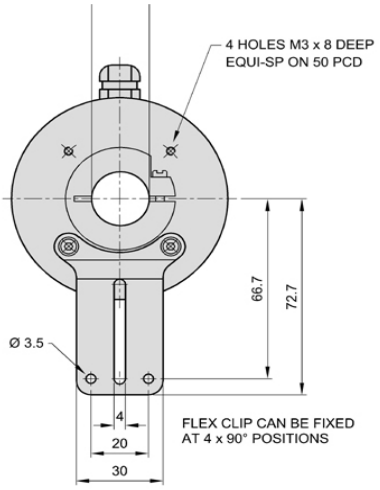
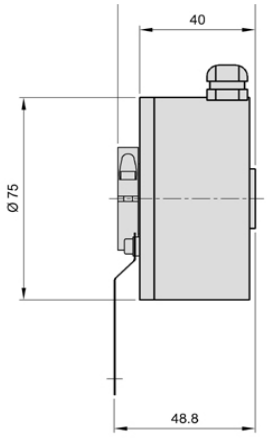
S E R I E S

75HA LUMINIUM

ROTARY INCREMENTAL SHAFT ENCODER

The *75HA Series* is a precision, yet versitile hollow shaft encoder, machined from solid aluminium. Its choice of versatile spring mounting clip or front face mounting holes, makes the encoder compatible with many industrial formats.





75HA



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

Body:
Precision Machined Aluminium

Cover:
Precision Machined Aluminium
(Powder Coated)

Shaft:
Stainless Steel

Bearings:
Ballraces

Shaft Sealing:
Front: Sealed bearing
Rear: Single lip seal on rear of cover

Protection:
IP65

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

Maximum Speed:
3000 RPM
(Higher on request)

Torque:
2Ncm (typical)

Inertia:
100gcm^2 (typical)

Shaft Loading:
Designed to support its own weight

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

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306.307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,3.....3,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000,1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1012,1013,1014,1015,1016,1017,1018,1019,1020,1021,1022,1023,1024,1025,1026,1250,1270,1400,1500,1800,2000,2048,2250,2400,2500,3000,3600,4000,4096,5000,6000,9000,10000...

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
$\overline{A}$ Channel	Green	Pin 6
$\overline{B}$ Channel	Violet	Pin 7
$\overline{Z}$ Channel	Brown	Pin 8

ACCESSORIES AVAILABLE

~COUPLINGS

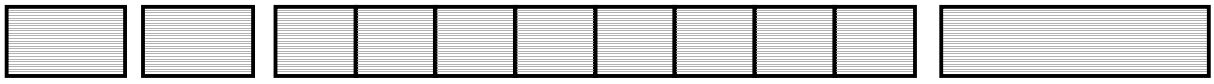
~BRACKETS & FLANGES

~MEASURING WHEELS

STANDARD FEATURES

- IP65 Protection
- Automatic Calibration
- Short - Circuit & Overload Protection
- UK Manufactured
- High Noise Immunity
- Robust Construction
- Low Cost
- Fast Delivery
- 3 YEAR WARRANTY

STANDARD ORDERING CODES



PULSES PER REVOLUTION

SERIES
75HA

SHAFT
10 - 10mm Hollow
12 - 12mm Hollow
14 - 14mm Hollow
16 - 16mm Hollow
18 - 18mm Hollow
20 - 20mm Hollow

PROTECTION
1 - [IP65]

OUTPUT SIGNALS
8 - A + B + Z + $\overline{A}$ + $\overline{B}$ + $\overline{Z}$

TEMPERATURE RANGE
C - [-20 to +60°C]
(also -20 to +85°C available on request)

SHAFT SEALING
A - Sealed front bearing with back lip seal

FREQUENCY RESPONSE
2 - [200KHz]
(300KHz available on request)

CONNECTION
B - Specify cable length
C - 5000mm Cable
D - 2000mm Cable
E - 12 Pin Contact (CW)
J - 5 Pin Amphenol
Many other options available
(see current price list)

EXIT
R - Radial

OUTPUT CIRCUIT
U - 5 to 30V Universal Line Driver, suitable for most TTL, RS422, Push / Pull, NPN, PNP Applications
3 - 8 to 30V input with 5v output signals
4 - 15 to 30V input with 12V output signals
0 - 5 - 30V Open Collector

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