# SERIES



ROTARY INCREMENTAL SHAFT ENCODER

The 58DS Series is a precision yet versitile 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 spays at up to 220psi (15 Bar). However, its small frame size of 58mm together with its wide range of optional flanges provides the user with flexibility where space may be limited.



## SPECIFICATIONS

## Body:

Precision Machined 316 - Stainless Steel

#### Cover:

Precision Machined 316 - Stainless Steel

#### Shaft:

Stainless Steel

#### Bearings:

**Ballraces** 

#### **Shaft Sealing:**

Dependand on environment type (see Ordering Codes)

#### Protection:

(IP66 / IP67)

#### **Operating Temp:**

-20 to +85°C (depending on model)

# Maximum Speed:

3000 RPM (Higher on request)

#### Torque:

2.9Ncm (typical)



## Inertia:

100gcm<sup>2</sup> (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)

# CONNECTIONS FUNCTION CABLE PLUG

Black	Pin 1
Red	Pin 2
White	Pin 3
Blue	Pin 4
Yellow	Pin 5
Green	Pin 6
Violet	Pin 7
Brown	Pin 8
	Red White Blue Yellow Green Violet

# ACCESSORIES AVAILABLE

~ COUPLINGS

~BRACKETS & FLANGES

~ MEASURING WHEELS

6 - EPDM (as Thurban but ozone protected)

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

## S T A N D A R D F E A T U R E S

IP66/67 Protection

A + B + Z + A + B + Z

Automatic Calibration

Short - Circuit & Overload Protection

UK Manufactured

High Noise Immunity

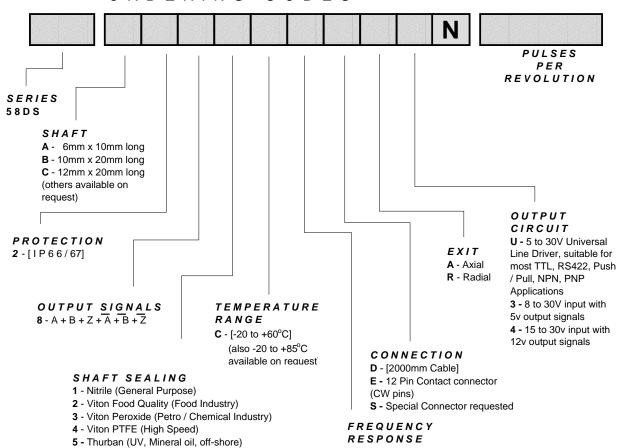
Robust Construction

Low Cost

Fast Delivery

3 YEAR WARRANTY

## STANDARD ORDERING CODES



1 - [200KHz]

(300KHz available on request)