



Technical Data

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|---|---|
| Output signal | synchron-serial |
| Transducer interface | S |
| Input interface | Synchron-serial |
| System resolution | 1, 5, 10, 20 or 40µm |
| Hysteresis | <1 Digit |
| Repeatability | ±1 Digit |
| Sampling rate | 2 kHz |
| max.non-linearity | ±30µm at 1,5 and 10µm resolution or < ±2 LSB |
| Temperature coefficient of overall system | (6µm +5ppm x L) /°C |
| Supply voltage | 24 V DC ±20% |
| Current draw | <80mA |
| Operating temperature | -20...80°C |
| Storage temperature | -40...100°C |
| Shock load | 100g / 6ms per IEC60068-2-27 |
| Vibration | 12g, 10...2000 Hz per IEC 60068-2-6 |
| Polarity reversal protected | yes |
| Overvoltage protection | Transzorb protection diodes |
| Dielectric constant | 500 V (GND to housing) |
| Enclosure rating per IEC 60529 | IP 68 |
| Housing material | Stainless steel Nitronics 60 |
| flange- and tube material | 1.4571 stainless |
| Mounting | Flange Ø18 mm, PCD Ø 76.2 mm |
| Pressure rating | 600 bar |
| Connection type | Screw terminals |
| RF emission | IEC 61000-4-2 Severity Level 3 |
| Static electricity (ESD) | IEC 61000-4-3 Severity Level 3 |
| Electromagnetic fields (RFI) | IEC 61000-4-4 Severity Level 4 |
| Fast transients (BURST) | IEC 61000-4-6 Severity Level 3 |
| Explosion protection | EEX d IIC T6 Cenelec SIRA 00A TEX1094, Eex de I & IIC, I M2, II 2 GD |
| Accessories | Magnets please order separately |

| Pin assignments | Pin | Color | |
|---------------------------|-----|-------|-------------------------|
| Control and data signals | 1 | YE | +Clk |
| | 2 | GY | +Data |
| | 3 | PK | -Clk |
| | 5 | GN | -Data |
| Supply voltage (external) | 6 | BU | GND |
| | 7 | BN | +24 V DC |
| | 8 | WH | must remain unconnected |