The information in this document is reviewed regularly and any necessary changes will be incorporated in the next revision. We welcome any suggestions for improvement.

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## Turbine Flow Meters
### Flow Range

<table>
<thead>
<tr>
<th>Inch</th>
<th>MM</th>
<th>GPM</th>
<th>BPM</th>
<th>BPD</th>
<th>LPM</th>
<th>M³/D</th>
<th>Puls/Gal</th>
<th>Frequency P/Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8</td>
<td>10</td>
<td>.3 - 3</td>
<td>.007 - .07</td>
<td>10 - 100</td>
<td>1.14 - 11.36</td>
<td>1.6 - 16</td>
<td>22000</td>
<td>1100</td>
</tr>
<tr>
<td>1/2</td>
<td>13</td>
<td>.75 - 7.5</td>
<td>.01 - .17</td>
<td>25 - 250</td>
<td>2.84 - 28.39</td>
<td>4 - 40</td>
<td>14500</td>
<td>1815</td>
</tr>
<tr>
<td>¾</td>
<td>19</td>
<td>2 - 15</td>
<td>.05 - .33</td>
<td>68 - 515</td>
<td>7.57 - 56.78</td>
<td>11 - 80</td>
<td>2950</td>
<td>740</td>
</tr>
<tr>
<td>7/8</td>
<td>22</td>
<td>3 - 30</td>
<td>.07 - .71</td>
<td>100 - 1000</td>
<td>11.36 - 113.56</td>
<td>16 - 160</td>
<td>2350</td>
<td>1175</td>
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<tr>
<td>1</td>
<td>25</td>
<td>5 - 50</td>
<td>.11 - 1.19</td>
<td>170 - 1700</td>
<td>18.93 - 189.27</td>
<td>27 - 270</td>
<td>900</td>
<td>750</td>
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<tr>
<td>1 ½</td>
<td>38</td>
<td>15-180</td>
<td>.35 - 4.3</td>
<td>515 - 6000</td>
<td>56.78 - 681.35</td>
<td>80 - 1100</td>
<td>325</td>
<td>975</td>
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<tr>
<td>2</td>
<td>51</td>
<td>40 - 400</td>
<td>.9 - 9.3</td>
<td>1300 - 13000</td>
<td>151 - 1514</td>
<td>210 - 2100</td>
<td>55</td>
<td>365</td>
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<td>3</td>
<td>76</td>
<td>60 - 600</td>
<td>1.4 - 14.3</td>
<td>2100 - 21000</td>
<td>227 - 2271</td>
<td>320 - 3200</td>
<td>57</td>
<td>570</td>
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<td>4</td>
<td>102</td>
<td>100 - 1200</td>
<td>2.4 - 28.5</td>
<td>3400 - 41000</td>
<td>380 - 4542</td>
<td>545 - 6541</td>
<td>30</td>
<td>600</td>
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<td>6</td>
<td>152</td>
<td>200 - 2500</td>
<td>4.7 - 60</td>
<td>6800 - 86000</td>
<td>757 - 9464</td>
<td>1090 - 13628</td>
<td>7</td>
<td>290</td>
</tr>
<tr>
<td>8</td>
<td>203</td>
<td>350 - 3500</td>
<td>8.3 - 83</td>
<td>12000 - 120000</td>
<td>1325 - 13250</td>
<td>1907 - 19078</td>
<td>3</td>
<td>175</td>
</tr>
<tr>
<td>10</td>
<td>550</td>
<td>550 - 5500</td>
<td>13 - 130</td>
<td>19000 - 180000</td>
<td>1892 - 18926</td>
<td>2725 - 27255</td>
<td>1.6</td>
<td>147</td>
</tr>
</tbody>
</table>

### Material Specifications
- **Flow Meter Body**: 316 S.S. or A-286 Alloy
- **Support Vanes**: 316 S.S.
- **Rotor**: CD4MCu
- **Sleeve Bearings**: Tungsten Carbide
- **Shaft**: Tungsten Carbide
- **Thrust Ball**: Ceramic

### Performance Specifications
- **Repeatability**: Within ±0.1% of indicated flow throughout the linear flow range
- **Accuracy**: Within ±1% of reading
  - Note: 3/8" ± 2%
Pressure Drop Curves

Flow Rate - GPM

Pressure - PSI

Electronic Data Devices
Turbine Flow Meters

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Website
www.eddevices.com
EDD-600 Totalizer

Electronic Data Devices’ EDD-600 is a self-contained totalizer and flow rate indicator designed to mount directly on the turbine flow meter or remotely mounted with optional hardware. By using state of the art low power CMOS integrated circuits and liquid crystal displays, long battery life is attained.

**SPECIFICATIONS**

- **Power**: 4 C Batteries
- **Battery Life**: 2 - 4 Years
- **Flow Rate**: Digital 6 Digit
- **Flow Rate Units**: Specified by customer
- **Totalizer**: Digital 6 Digit
- **Totalizer Units**: Specified by customer
- **Totalizer Reset**: With optional switch
- **Divisor Capability**: From 1 - 131071
- **Accuracy**: ± 1 Count
- **Mounting**: Directly on meter
- **Temperature Range**: -20° to 155° F
- **Housing**: Polyester Weatherproof
- **Input Frequency**: 0 - 2500 Hz
- **Input Amplitude**: 20 - 5000 mVpp
NOTE: DRAWING NOT TO SCALE

SPECIFICATIONS:
ACCURACY: ±1 COUNT
TEMPERATURE RATING: -20° F - +150° F

NOTE:

TOTALIZER INSTALLATION DRAWING
EDD-600, PART NO.9.600

P.O. Box 12128
Odessa, TX 79768
Phone: 432-366-8699 Fax: 432-366-1106
E-mail: rkw@eddevices.com Website: www.eddevices.com

THIS DRAWING IS PROPERTY OF ELECTRONIC DATA DEVICES. RECEIPT OR POSSESSION CONFRMS NO RIGHT TO USE THE SUBJECT MATTER OF THIS DRAWING OR TECHNICAL INFORMATION SHOWN.
EDD800 Digital Totalizer

The EDD800 is a self contained digital totalizer designed to mount directly on the turbine flow meter or remotely mounted with optional hardware. The totals and flow rate units can be set to any industry standard units or be set to different units for each display. The EDD800 is easily resettable to zero out the total units displayed. The unit is available with a NEMA4 or EXP housing. Intrinsically safe, ATEX, IECEx, FM and CSA units are available.

- Power - (1) 3.6 V DC C-cell Lithium Battery
- Display - LCD 7 Digits Totals, 11 Digits Rate
- Accuracy - ±0.1 %
- Temperature Range - -40 to 175 °F
- Input Frequency - 0 - 300 Hz
- Battery Life - 2 - 4 Years
- Units - Customer Specified
- Divisor Capability - 1 - 99999999
- Housing - NEMA4 or EXP
- Options - Pulse Out, 4-20 mA or Hart
EDD-340 4-20 mA Converter

The EDD-340 circuit card will accept signal inputs from turbine flow meters or any pulsing device with acceptable wave forms and signal levels. The card has a 4 - 20 mA output. The card is 4” x 4” and mounts via 4 standoffs and screws to a backplate. Hookup is via 7 wire compression terminals. The card may be calibrated to any customer specified full scale output.

Power: 24 Vdc or Optional 12 Vdc
Current Pull: 50 mA Maximum
Input Frequency: 0 - 2500 Hz
Input Amplitude: 30 mV - 30 V peak to peak
Accuracy: ± 1 Percent
Output: 4 - 20 mA into a 250 Ohm Load
EDD-530 Pulse Output Card

The EDD-530 card will accept signal inputs from turbine flow meters or any pulsing device with acceptable wave forms and signal levels. The output is a dry contact closure or an optional voltage output. The card is 4” x 4” and mounts via 4 standoffs and screws to a backplate. Hookup is via 6 wire compression terminals. The card may be calibrated in any customer specified engineering units up to a maximum divisor of 16383.

- **Power**: 12 or 24 Vdc (must spec.)
- **Divisor Capability**: 1—16383
- **Pulse Output Units**: Specified by customer
- **Accuracy**: ± 1 Count
- **Temperature Range**: -20° F - 140° F
- **Input Frequency**: 0 - 2500 Hz
- **Input Amplitude**: 30 mV - 30 V peak to peak
- **Pulse Output Duration**: 150 ms or customer specified
- **Voltage Output Option**: Discuss with Factory

Note: Circuit Current Pull
- 12 Vdc - 30mA
- 24 Vdc - 35 mA
PRODUCT DESCRIPTION
EDD's mag-preamps are designed to convert low level sinusoidal signals into stable square wave pulses. They can be used with all magnetic VR type pickups, allowing for greater pickup to target gaps and longer signal transmission distance. The pucks are built to fit compact “ELBY” and “Y” type explosion-proof enclosures, refer to bulletin 4001.

For Intrinsically Safe certified see brochure: IS4022, 29

*MICROPOWER versions are available in the____ and ____ models for ultra low current draw, ideal for battery applications.

SPECIFICATIONS
Vs, Supply Voltage: 7.5 (12)to 30 Vdc regulated
3.6 Vdc min., unregulated
*MICROPOWER: 2 to 6 Vdc

Is, Supply Current:
≤ 2 mA @ 5 Vdc
≤ 4 mA @ 12 Vdc
≤10 mA @ 24 Vdc
≤20 mA @ 30 Vdc (OC)
*MICROPOWER: ≤ 0.06 mA
≤ 5 mA (Current Loop, 4029)

Vo, Signal Out:
@ £ 20mA sink
0 ~ 10 V NPN
0 ~ 5 V NPN
0 ~ Vs NPN
0 ~ Vs, NPN, OC, (Open Collector)
0 ~ Vs, PNP, OC, 50 mA Sourcing

___ only:
4 to 20 mA current sink:
± 2 mA, 4 to 40 V supply, see page 2 for wiring diagram & R Load spec.

Input Sensitivity: 30, 12 or 5 mVpp
*MICROPOWER: 12 to 40 mV

Frequency Range: 3 Hz to 10 kHz at specified sensitivity
≤ 40 kHz at increased signal level, varies with target size, distance and pickup sensitivity. (Option: ≤ 100 kHz)
*MICROPOWER: ≤ 1 Hz to 30 kHz

Rise/Fall Time (N.L.): 04 / .18 μs (Nom.)

Distance: 500 ft. max. pickup to preamp

Temperature Range: -40° to 221 °F (-40° to 105 °C)

Compliance: CE: EN55011, EN50022-2

TERMINAL/PIN CONNECTIONS
___ & ____:
1. Input Vdc
2. Common
3. Pulse out (+)
4. Mag Pickup
5. Mag Pickup

on ___:
6. Pulse out (-)

___:
MS3106A-10SL-3S
A: Input Vdc
B: Common
C: Pulse out

OPTIONS:
Please contact sales.
For junction boxes & adapters see spec. 4001
For connector cable assemblies, please see spec. 3000

Electronic Data Devices
Odessa, Texas USA
432-366-8699
rkw@eddevices.com
ORDER INFORMATION

| 90010-01 | Junction Box for ____ | Y1 (1/2-14 NPT) |
| 90012-01 | Junction Box for ____ & ____ | ELBY (1/2-14 NPT) |

Other Junction Boxes and adapter hardware, Explosion proof UL & CSA certified, see spec. 4001

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**DIGITAL OPTO-ISOLATED CURRENT LOOP**

<table>
<thead>
<tr>
<th>SIGNAL</th>
<th>OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOAD</td>
<td>VALUE</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WIRING DIAGRAM, OPTION A**

\[
R_{Load} \leq \frac{V_s-R}{0.02A}
\]

\[
V_s: \begin{cases} 
12 \text{ V} & \leq 400 \Omega \\
24 \text{ V} & \leq 1000 \Omega 
\end{cases}
\]

**WIRING DIAGRAM, OPTION B**

\[
R_{Load} \leq \frac{V_s-R}{0.02A}
\]

\[
V_s: \begin{cases} 
12 \text{ V} & \leq 400 \Omega \\
24 \text{ V} & \leq 1000 \Omega 
\end{cases}
\]
PRODUCT DESCRIPTION
The FTC converter receives frequency input and converts it to a proportional 4-20mA output. It has been configured to fit a compact 1/2 & 3/4" NPT "ELBY" explosion proof enclosure. The frequency range is field selectable to fit most applications. ZERO and SPAN adjustments make it easy to calibrate to almost any measurement range, with little interaction between the adjustments.

The power supply input is designed to cover the entire range of commonly available DC power, with no selecting or adjusting.

SPECIFICATIONS
Vs Supply Voltage: 9 - 30 VDC @ ≤ 4mA
Input Protection: 100 VAC, reversed leads
Output Protection: Short to +VDC, Common or Signal out Continuous
Frequency Input Range: F HI: Adjustable full scale: 1100 Hz to 10 KHz
                     18 kHz with signal >50 mV, 1% linearity
                     F LO: Adjustable full scale: 75 Hz to ≥1100 Hz
Input Sensitivity: Standard 50 mVpp
                  High     12 mVpp
Linearity:* 0.5% max., 0.15% typ.
Output Setting Time:* Full scale change to 95% of final value 100mS to 3 sec.
Output Ripple and Noise:* 0.2 mV max p-p, 1% of Full Scale
                          0.02 mV typ., 0.01% of Full Scale
* (Parameter Varies with Calibration Setting)
Temperature Coefficient: 25°C to 40°C, 0.13%/°C
Operating Temp. Range: -40°C to +85°C (-40°F to +185°F)
ZERO/SPAN Adjustment Interaction: < 1%

3 WIRE OUTPUT VERSION:
Minimum Output Current: 0.07 mA
Maximum Output Current: 24.1 mA
(Full Scale Min. Cal., Zero Cal Set to 4 mA)
Terminal Connections: 1. Input VDC 4. Mag Pick-up
                     2. Common 5. Mag Pick-up
                     3. Signal Out

Wiring Options & R Load specification: See page 2
Compliance: CE: EN55011, EN60022-2
            INTRINSICALLY SAFE
            CLASS I, II, III DIV 1
            GROUP ABCDEFG, ZONE 0
            (FM, CSA & CENELC Pending)
Installations must meet the requirements of intrinsically safe systems for hazardous (classified) locations and must follow details specified in FMRC engineering control drawing #85049.
Electronic Data Devices’ magnetic pickups are manufactured to cover a wide range of metering applications, including our meters and most others popular brands of meters.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC Coil Resistance</td>
<td>1450 ohms</td>
</tr>
<tr>
<td>Inductance</td>
<td>800 mh</td>
</tr>
<tr>
<td>Magnetization</td>
<td>900 Gauss</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-150° to +250°F</td>
</tr>
<tr>
<td>Overall length</td>
<td>2.25”</td>
</tr>
<tr>
<td>Thread Size</td>
<td>5/8 X 18</td>
</tr>
<tr>
<td>Output Volts</td>
<td>2.5Vpp (turbine meters)</td>
</tr>
<tr>
<td>Pole Piece</td>
<td>Extended</td>
</tr>
<tr>
<td>Construction</td>
<td>303/304 S&gt;S&gt; solid epoxy</td>
</tr>
<tr>
<td>Connection</td>
<td>2 pins gold plated</td>
</tr>
<tr>
<td>Mating Connector</td>
<td>MS 3106A-10SL-4S</td>
</tr>
<tr>
<td>Thread Length</td>
<td>1.13”</td>
</tr>
</tbody>
</table>
Product Description

Electronic Data Devices’ Digital 2 PIN magnetic pick-ups feature high output voltage and great configuration diversity to meet a wide range of applications.

A sanitary version to NEMA 6, IP65 & IP67 is also offered.

All Models are also available with an optional temperature probe.

Specifications

**DC-Coil:** Resistance/Inductance/Output Voltage
1500 Ohms/ 800 mH/ 240 Vpp

**Magnetization:** 950 GAUSS

**Temperature Range:** -100° to 250° F (-73° to 120° C)

**Pole Piece:** Extended Pole, 0.106 dia. x 0.020 L

**Construction:** 303/304 Stainless Steel
Solid Epoxy Encapsulation
All standard connectors have gold plated pins.

**Application:** For gear pitch range of 24 DP or coarser depending on pole piece.

**CE-Compliance:** EN55011, EN50022-2

**Options:** For different length, material of construction, configuration, special pole piece type, thread size, hermetically sealed, precision custom magnetization, integral temperature sensor, connector and/or cable termination, please contact factory.

Connector Type Pick-up Part Number: 4.303
Wire Lead Pick-up Part Number: 4.303L
Connector Part Number: MS3106-10SL-4S

PIN Out

A  +Voltage
B  -Ground
Electronic Data Devices’ Digital 2 PIN magnetic pick-ups feature high output voltage and great configuration diversity to meet a wide range of applications.

A sanitary version to NEMA 6, IP65 & IP67 is also offered.

All Models are also available with an optional temperature probe.

Specifications

DC-Coil: Resistance/Inductance/Output Voltage
1500 Ohms/ 800 mH/ 240 Vpp

Magnetization: 950 GAUSS

Temperature Range: -100° to 250° F (-73° to 120° C)

Pole Piece: Extended Pole, 0.106 dia. x 0.020 L

Construction: 303/304 Stainless Steel
Solid Epoxy Encapsulation
All standard connectors have gold plated pins.

Application: For gear pitch range of 24 DP or coarser depending on pole piece.

CE-Compliance: EN55011, EN50022-2

Options: For different length, material of construction, configuration, special pole piece type, thread size, hermetically sealed, precision custom magnetization, integral temperature sensor, connector and/or cable termination, please contact factory.

Connector Type Pick-up Part Number: 4.304
Wire Lead Pick-up Part Number: 4.304L
Connector Part Number: MS3106-10SL-4S
4.5015U MAGNETIC PICKUP

Electronic Data Devices’ magnetic pickups are manufactured to cover a wide range of metering applications, including our meters and most others popular brands of meters.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>7.5 to 30 Vdc</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>3 - 10 kHz</td>
</tr>
<tr>
<td>Magnetization</td>
<td>900 Gauss</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-40° to +250°F</td>
</tr>
<tr>
<td>Overall length</td>
<td>3.0”</td>
</tr>
<tr>
<td>Thread Size</td>
<td>5/8 X 18 UNF</td>
</tr>
<tr>
<td>Signal Output</td>
<td>0 - 10 V</td>
</tr>
<tr>
<td>Pole Piece</td>
<td>Extended</td>
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<tr>
<td>Input Sensitivity</td>
<td>30 mVpp</td>
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<tr>
<td>Connection</td>
<td>3 pins gold plated</td>
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<tr>
<td>Mating Connector</td>
<td>MS 3106A-10SL-3S</td>
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<tr>
<td>Thread Length</td>
<td>1.75”</td>
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</table>
Product Description

Electronic Data Devices’ Digital 3 PIN magnetic pick-up produces a digital frequency output directly proportional to speed. The internal amplifier provides for constant pulse shaping, signal amplitude, logic-level output, improved signal-to-noise ratio, usable at lower RPM’s and greater air gap between the sensor and the actuator.

MICROPOWER versions are available for ultra low current draw, ideal for battery applications.

A sanitary version to NEMA 6, IP65 & IP67 is also offered.

All Models are also available with an optional temperature probe.

Specifications

\( V_s, \) Supply Voltage: 7.5 (12) to 30 Vdc regulated
3.6 Vdc min., unregulated
MICROPOWER: 2 to 6 Vdc

\( I_s, \) Supply Current:
\( \leq 2 \) mA @ 5 Vdc
\( \leq 4 \) mA @ 12 Vdc
\( \leq 10 \) mA @ 24 Vdc
\( \leq 20 \) mA @ 30 Vdc (OC)
MICROPOWER: \( \leq 0.06 \) mA

\( V_o, \) Signal Out:
\( 0 \) - 10 V, NPN
\( 0 \) - 5 V, NPN
\( 0 \) - \( V_s, \) NPN
\( 0 \) - \( V_s, \) NPN, OC (Open Collector)

Input Sensitivity: 30, 12 or 5 mVpp
MICROPOWER: 12 - 40 mV

Frequency Range:
\( \leq 3 \) Hz to 10 kHz
\( \leq 40 \) kHz at increased signal level, varies with target size, distance and pick-up sensitivity.
(Option: \( \leq 100 \) kHz)
MICROPOWER: \( \leq 1 \) Hz to 30 kHz

Rise/Fall Time: 0.04 / 0.16 \( \mu s \)

Temperature Range: \(-40^\circ\text{C}\) to \(248^\circ\text{F}\) (\(-40^\circ\text{C}\) to \(120^\circ\text{C}\)
(Option: \(-45^\circ\text{C}\) to \(140^\circ\text{C}\)

Magetization:
Standard: \( \geq 900\) GAUSS
Low Mag: \( \geq 250\) GAUSS, typ.

Sensor Body: 303 Stainless Steel

Connector Type Pick-up Part Number: 4.5015U
Wire Lead Pick-up Part Number: 4.5015L
Connector Part Number: MS3106A-10SL-3S
Electronic Data Devices’ Digital 3 PIN magnetic pick-up produces a digital frequency output directly proportional to speed. The internal amplifier provides for constant pulse shaping, signal amplitude, logic-level output, improved signal-to-noise ratio, usable at lower RPM’s and greater air gap between the sensor and the actuator.

MICROPOWER versions are available for ultra low current draw, ideal for battery applications.

A sanitary version to NEMA 6, IP65 & IP67 is also offered.

All Models are also available with an optional temperature probe.

**Specifications**

- **Vs, Supply Voltage:** 7.5 (12) to 30 Vdc regulated
  3.6 Vdc min., unregulated
  MICROPOWER: 2 to 6 Vdc

- **Is, Supply Current:** ≤ 2 mA @ 5 Vdc
  ≤ 4 mA @ 12 Vdc
  ≤ 10 mA @ 24 Vdc
  ≤ 20 mA @ 30 Vdc (OC)
  MICROPOWER: ≤ 0.06 mA

- **V0, Signal Out:**
  0 - 10 V, NPN
  0 - 5 V, NPN
  0 - Vs, NPN
  0 - Vs, NPN, OC (Open Collector)

- **Input Sensitivity:** 30, 12 or 5 mVpp
  MICROPOWER: 12 - 40 mV

- **Frequency Range:**
  ≤ 3 Hz to 10 kHz
  ≤ 40 kHz at increased signal level, varies with target size, distance and pick-up sensitivity.
  (Option: ≤ 100 kHz)
  MICROPOWER: ≤ 1 Hz to 30 kHz

- **Rise/Fall Time:** 0.04 / 0.16 µs

- **Temperature Range:**
  -40° to 257° F (-40° to 125° C)
  (Option: -45° to 140° C)

- **Magnetization:**
  Standard: ≥ 900 GAUSS
  Low Mag: 250 GAUSS, typ.

- **Sensor Body:** 303 Stainless Steel

---

**Connector Type Pick-up Part Number:** 4.5024
**Wire Lead Pick-up Part Number:** 4.5024L
**Connector Part Number:** MS3106A-10SL-3S
Product Description

Electronic Data Devices’ Digital 2 PIN magnetic pick-ups feature high output voltage and great configuration diversity to meet a wide range of applications.

A sanitary version to NEMA 6, IP65 & IP67 is also offered.

All Models are also available with an optional temperature probe.

Specifications

**DC-Coil:** Resistance/Inductance/Output Voltage
3000 Ohms/ 1500 mH/ 290 Vpp

**Magnetization:** 600 GAUSS

**Temperature Range:** -150° to 330° F (-101° to 165° C)

**Pole Piece:** Extended Pole, 0.106 dia. x 0.020 L

**Construction:** 303/304 Stainless Steel
Solid Epoxy Encapsulation
All standard connectors have gold plated pins.

**Application:** For gear pitch range of 24 DP or coarser depending on pole piece.

**CE-Compliance:** EN55011, EN50022-2

**Options:** For different length, material of construction, configuration, special pole piece type, thread size, hermetically sealed, precision custom magnetization, integral temperature sensor, connector and/or cable termination, please contact factory.

Connector Type Pick-up Part Number: 4.5050
Wire Lead Pick-up Part Number: 4.5050L
Connector Part Number: MS3106-10SL-4S
Product Description

Electronic Data Devices’ high temperature magnetic pick-ups are suited for adverse temperature conditions.

Specifications

DC-Coil: Resistance/Inductance:
As tabulated in product details below.

Magnetization:
Standard: 900 GAUSS, typ.
Low Mag: 300 GAUSS, typ.

Temperature Range:
8HT: -450°F to +850°F
(-270°C to +458°C)

Pole Piece:
Flush and extended are available.

Construction:
303/304 Stainless Steel, Blindshell CF (closed face) design.
Solid Ceramic Encapsulation
Mica-Glass Insulated Lead Wires, 22AWG

Application:
For gear pitch range of 24 DP or coarser depending on pole piece.

Options

For different length, material construction, configuration, special pole piece, thread size, hermetically sealed, precision custom magnetization, please contact factory.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>4.302T800, R or H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead Wires</td>
<td>L 36&quot;</td>
</tr>
<tr>
<td>Thread</td>
<td>3/4 - 20 UNEF</td>
</tr>
<tr>
<td>Thread Length (A)</td>
<td>1.9&quot; (46 mm)</td>
</tr>
<tr>
<td>Shell Length (L)</td>
<td>3.12&quot; (79 mm)</td>
</tr>
<tr>
<td>Coil Resistance</td>
<td>160 Ohms</td>
</tr>
<tr>
<td>(Inductance)</td>
<td>(140 mH)</td>
</tr>
<tr>
<td>Pole Diameter</td>
<td>0.106&quot;</td>
</tr>
<tr>
<td>Pole Length</td>
<td>0.020&quot;</td>
</tr>
</tbody>
</table>