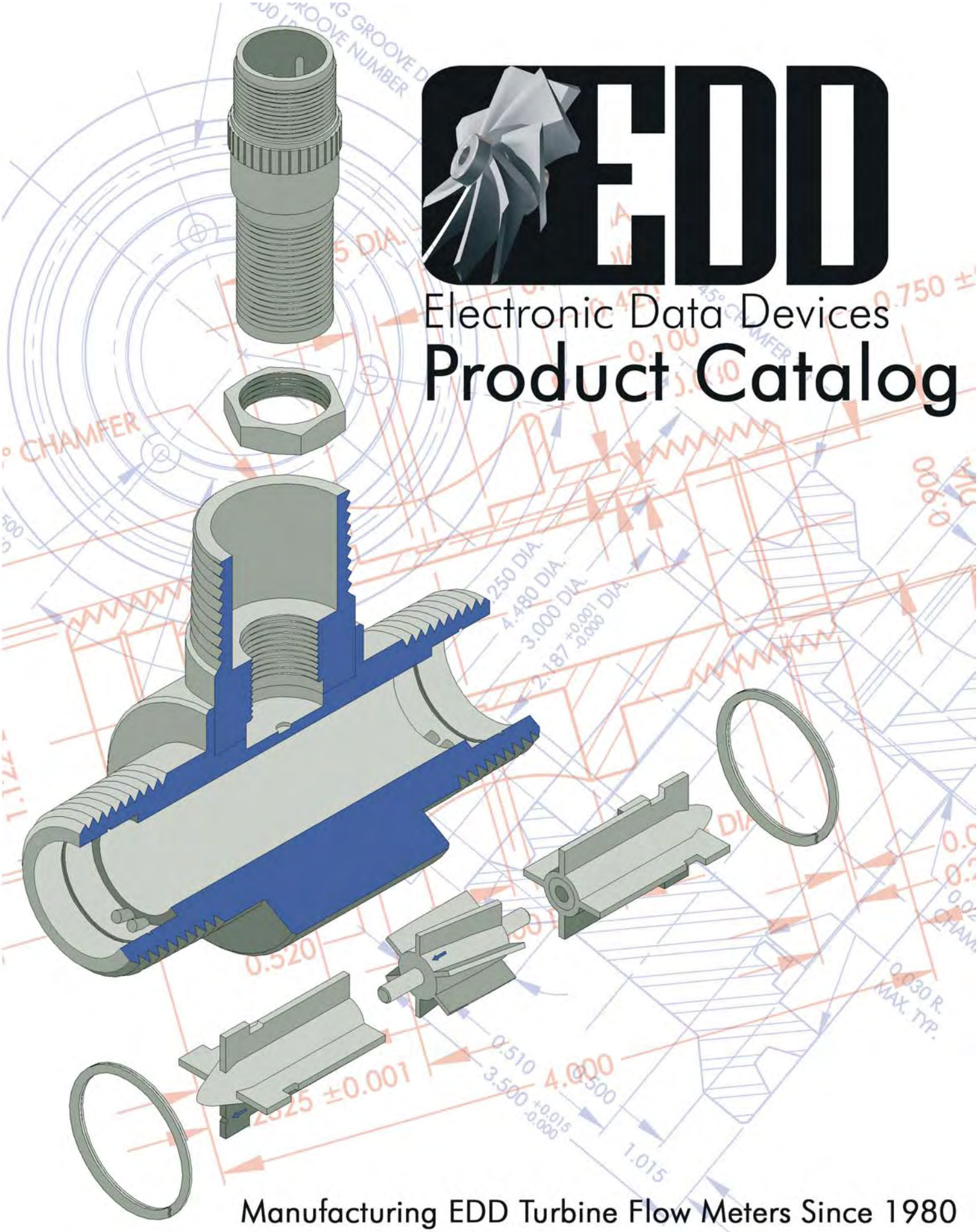

EDD

Electronic Data Devices

Product Catalog

Manufacturing EDD Turbine Flow Meters Since 1980

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.

January 2004

Electronic Data Devices

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

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%

Electronic Data Devices

Turbine Flow Meters

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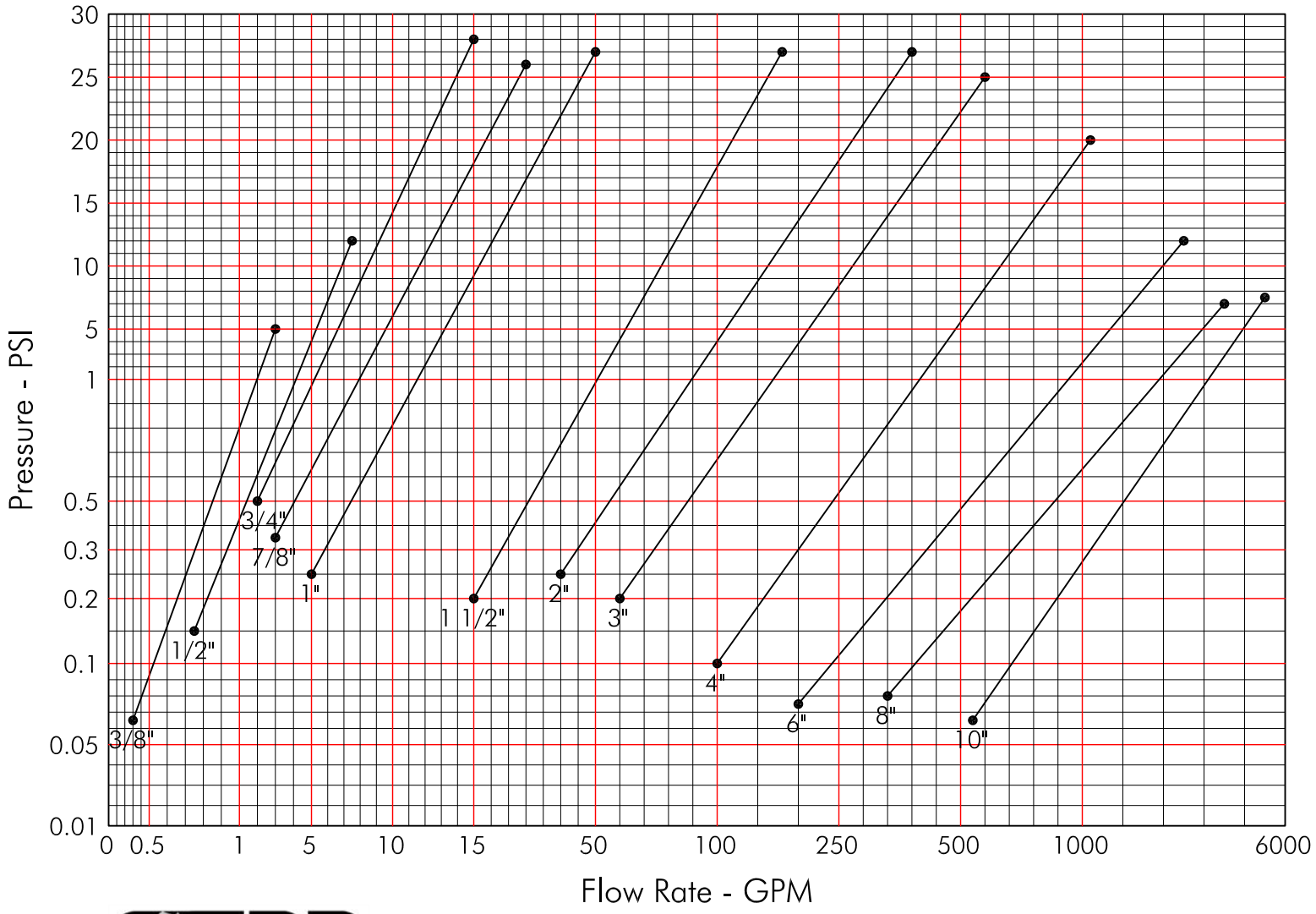
Pressure Drop Curves



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Electronic Data Devices

Turbine Flow Meters

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 intergrated 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

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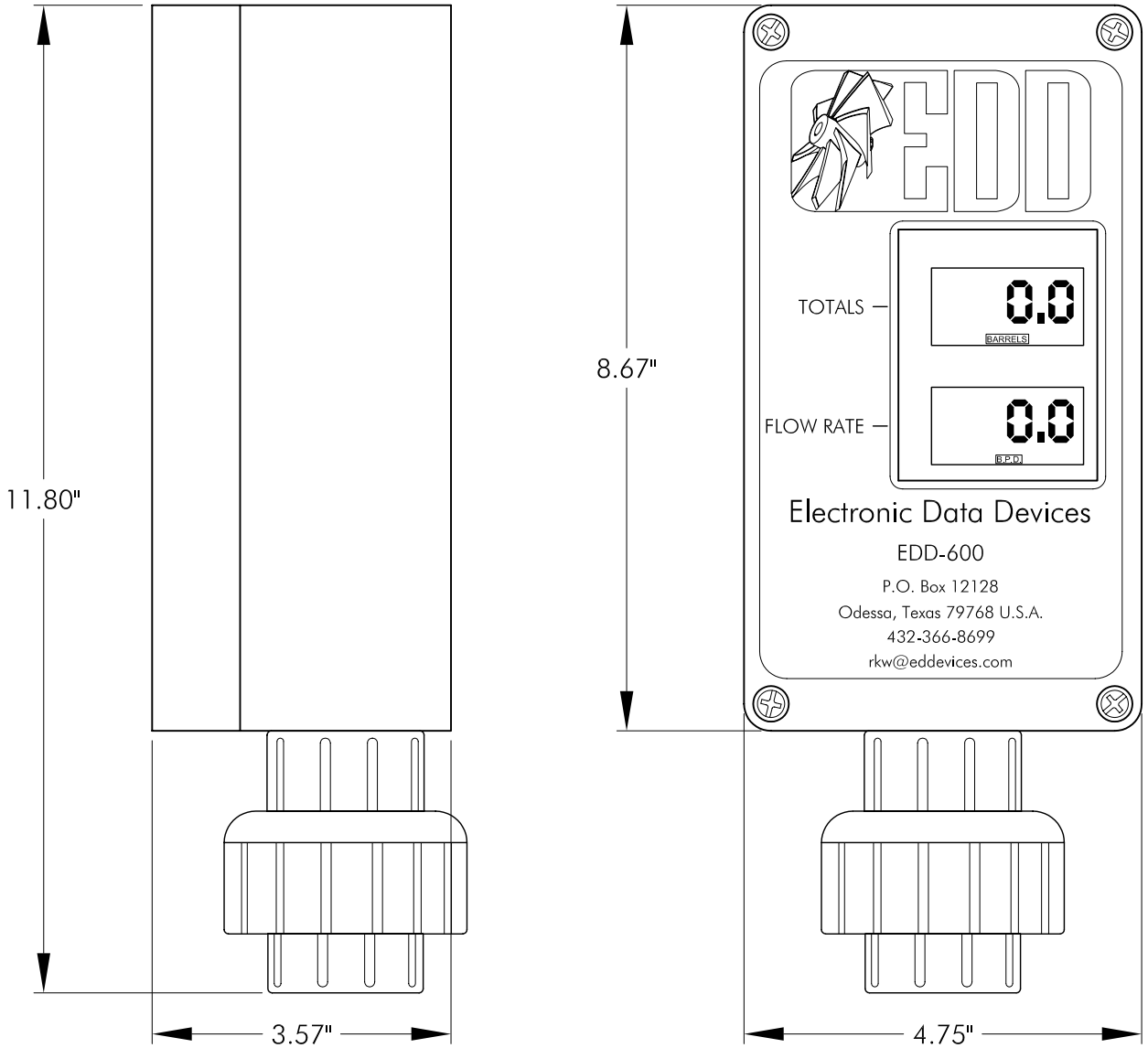

NOTE: DRAWING NOT TO SCALE

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

NOTE:

TOTALIZER INSTALLATION DRAWING

EDD-600, PART NO.9.600

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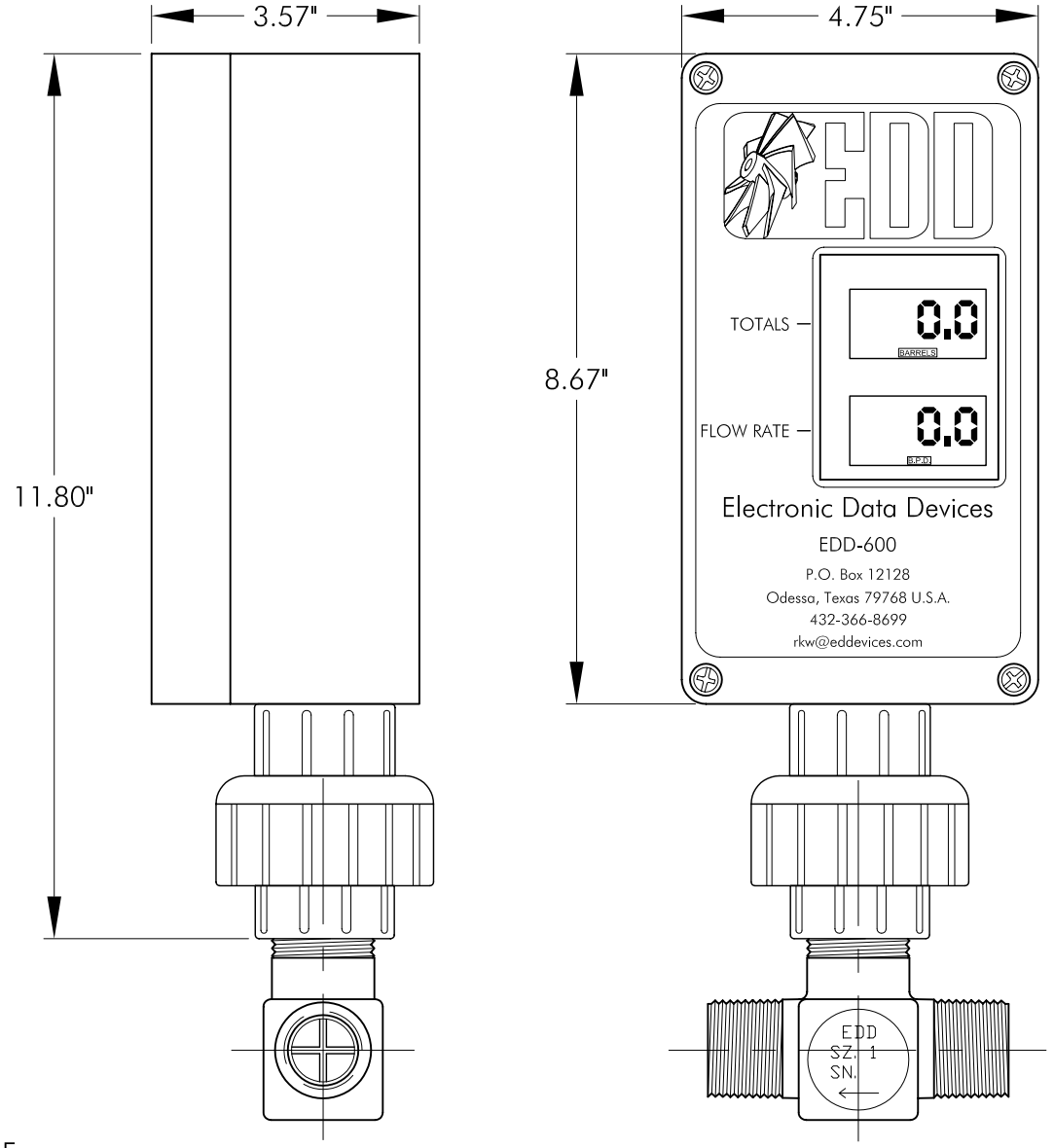
Electronic Data Devices



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

NOTE:

TOTALIZER INSTALLATION DRAWING

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Electronic Data Devices

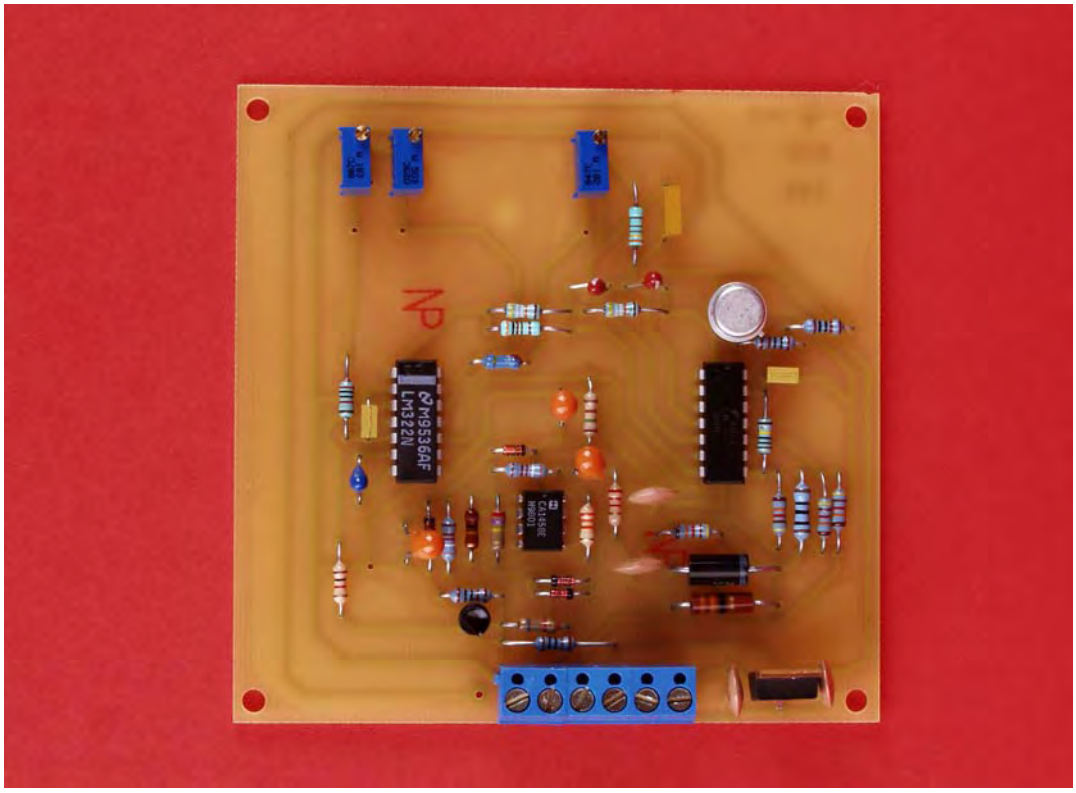
EDD800 Digital Totalizer

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 - 9999999
Housing -	NEMA4 or EXP
Options -	Pulse Out, 4-20 mA or Hart

Electronic Data Devices

Turbine Flow Meters



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

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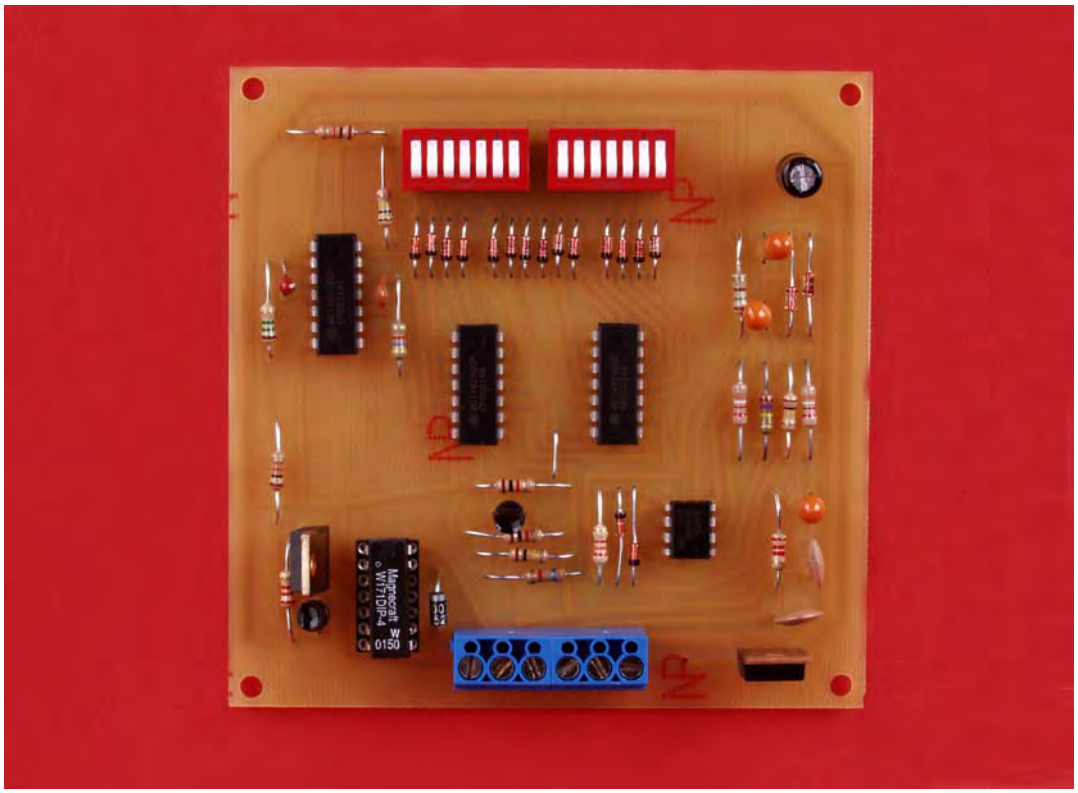
Electronic Data Devices

Turbine Flow Meters



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

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FM IS PENDING

PREAMPLIFIER
MAG TYPE
STANDARD AND *MICROPOWER*

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: 0 - 10 V NPN
@ £ 20mA sink 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)

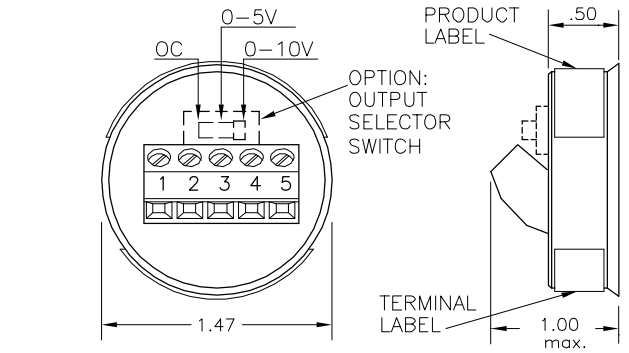
Compliance: **CE: EN55011, EN50022-2**

TERMINAL/PIN CONNECTIONS

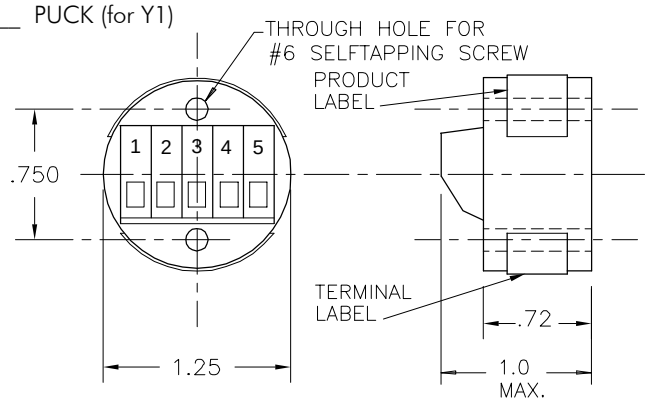
____ & ____:	1. Input Vdc	4. Mag Pickup
	2. Common	5. Mag Pickup
	3. Pulse out (+)	
on ____:		6. Pulse out (-)
____:	MS3106A-10SL-3S	A: Input Vdc
		B: Common
		C: Pulse out

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

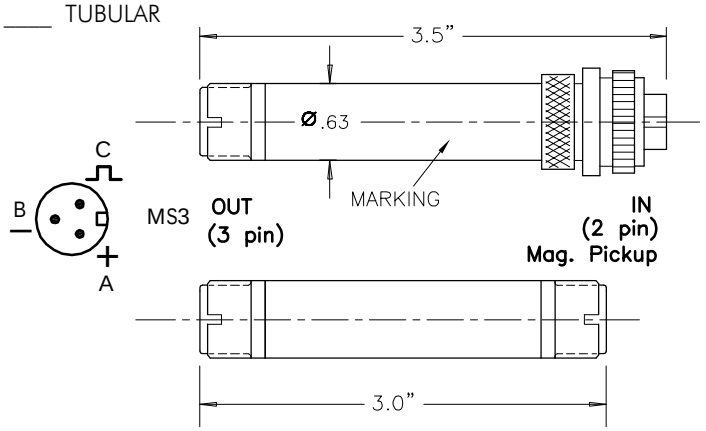
____ PUCK (for ELBY 1/2, 3/4 - Y2)



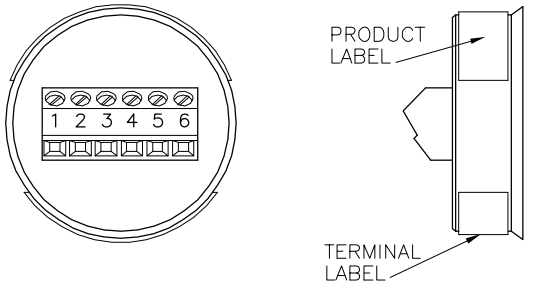
____ PUCK (for Y1)



____ TUBULAR



____ PUCK (for ELBY 1/2, 3/4 - Y2)
Digital Opto-Isolated Current Loop



ORDER INFORMATION

____ - x x MAG PREAMP, PUCK ELBY TYPE

Output Signal
- 1 — 0 - 10V
- 2 — 0 - 5V (TTL Compatible)
- 5 — Selectable (OC; 0-5V: 0-10V)
- 6 — 0 - Vs, PNP, OC, 50mA (100 mA max) Sourcing

Input Sensitivity
- 0 — 30 mVpp
- 1 — 12 mVpp

Junction Box for ___
90010-01 Y1 (1/2-14 NPT)

Junction Box for ___ & ___
90012-01 ELBY (1/2-14 NPT)

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

____ - x x MAG. PREAMP, PUCK Y1 TYPE

____ - x x MAG. PREAMP, TUBULAR IN-LINE TYPE
Male Threaded & Female Threaded Connectors

____M - x x MAG. PREAMP, TUBULAR IN-LINE TYPE
Male Threaded Connectors, both ends

Output Signal
- 1 — 0 - 10V, NPN
- 2 — 0 - 5V, NPN
- 3 — 0 - Vs, NPN *
- 4 — 0 - Vs, OC, NPN (Open Collector)*

*OPTIONS AVAILABLE IN *MICROPOWER* VERSION

Input Sensitivity
- 0 — 30 mVpp
- 1 — 12 mVpp
- 2 — 5 mVpp
- 4 — MICROPOWER 12 to 40 mVpp ONLY*

____ - x x MAG PREAMP, DIGITAL OPTO-ISOLATED CURRENT LOOP PUCK ELBY TYPE

Current Sink
- 1 — 4 - 20 mA
- 2 — 10 - 50 mA

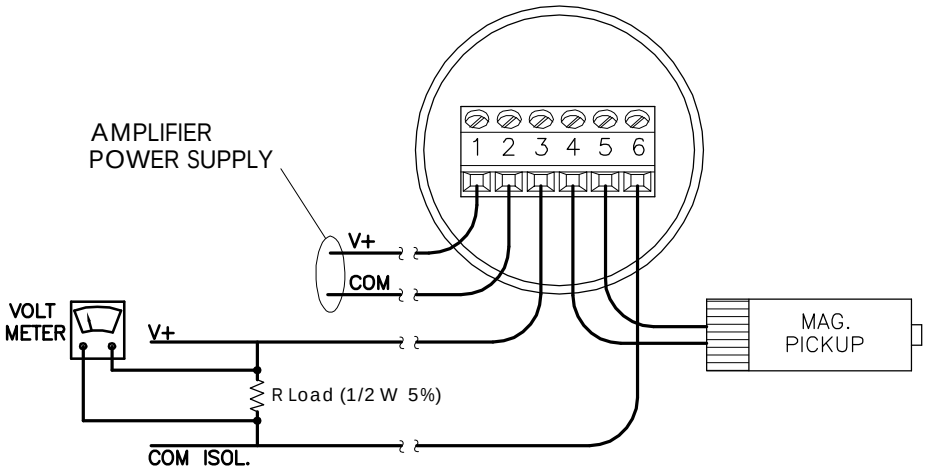
Input Sensitivity
- 0 — 30 mVpp
- 1 — 12 mVpp

WIRING DIAGRAM, OPTION A

$$R\,Load \le \frac{Vs - 4}{.02A}$$

Vs ∴ 12 V ≤ 400 Ω
24 V ≤ 1000 Ω

DIGITAL OPTO-ISOLATED CURRENT LOOP

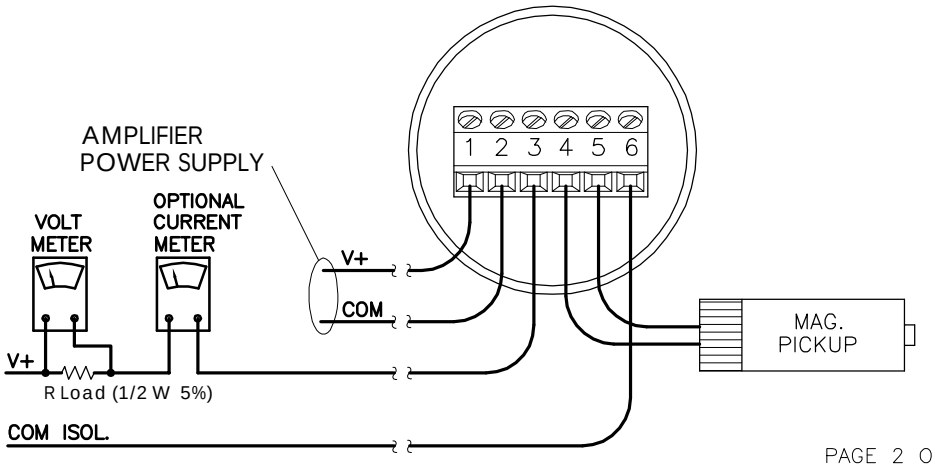


WIRING DIAGRAM, OPTION B

$$R\,Load \le \frac{Vs - 4}{.02A}$$

Vs ∴ 12 V ≤ 400 Ω
24 V ≤ 1000 Ω

DIGITAL OPTO-ISOLATED CURRENT LOOP



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FM IS — PENDING

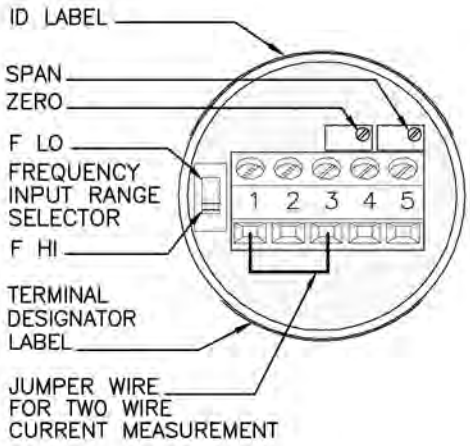
CE

4.0420
FTC CONVERTER
MAG TYPE
CURRENT OUTPUT

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

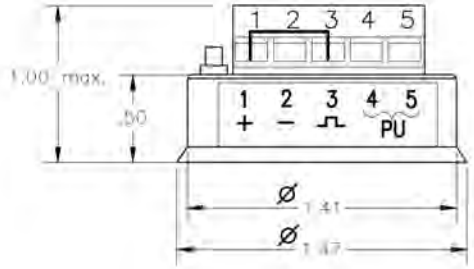
Input Sensitivity: Standard 50 mVpp
High 12 mVpp

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:* .2 mA max p -p, 1% of Full Scale
.02 mA typ., .01% of Full Scale

*(Parameter Varies with Calibration Setting)



Temperature Coefficient: 25° to 40 °C, 0.13 %/° C,

Operating Temp. Range: -40° to +85 °C (-40 to +185 ° F)

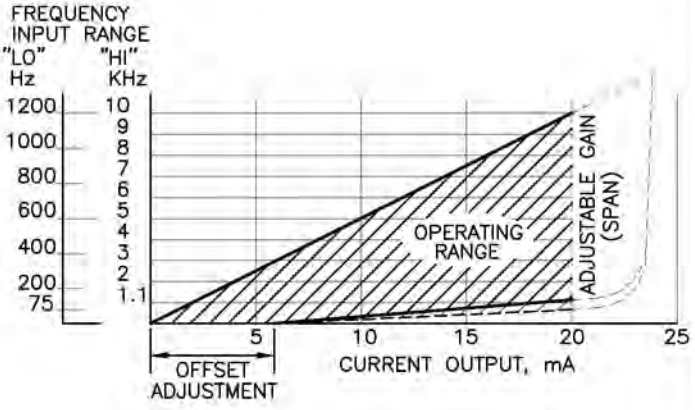
ZERO/SPAN Adjustment Interaction: < 1%

3 WIRE OUTPUT VERSION: 20 mA Range

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
2. Common
3. Signal Out
4. Mag Pick-up
5. Mag Pick-up



Wiring Options & R Load specification: See page 2

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

(FM, CSA & CENELEC Pending) **INTRINSICALLY SAFE CLASS I, II, III DIV 1 GROUP ABCDEFG, ZONE 0**

EDD FREQUENCY-CURRENT CONVERTER 4.0420

Installatinos must meet the requirements of intrinsically safe systems
for hazardous (classified) locations and must follow details specified
in FMRC engineering control drawing #85049

VOLTAGE MEASUREMENT, 3 WIRE

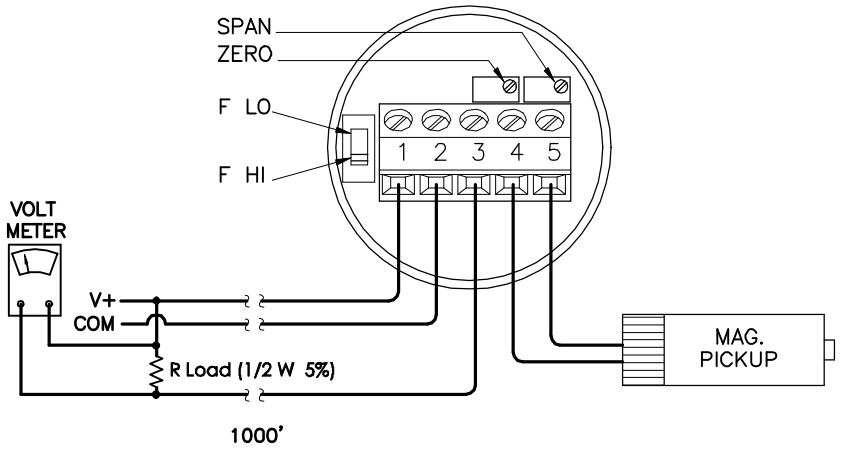
FOR USE WITH LONG WIRE RUNS
RESISTANT TO LINE LOSSES & EMI

SWITCH POSITIONS:

FREQ.: F LO
F HI

$$R\ Load \leq \frac{Vs - 9}{.02A}$$

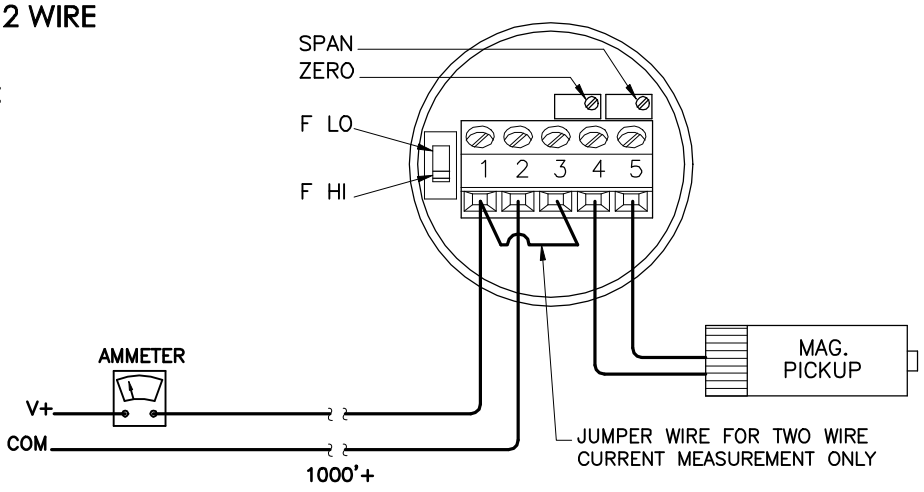
Vs ∴ 12 V ≤ 150 Ω
24 V ≤ 750 Ω



CURRENT MEASUREMENT, 2 WIRE

SWITCH POSITIONS:

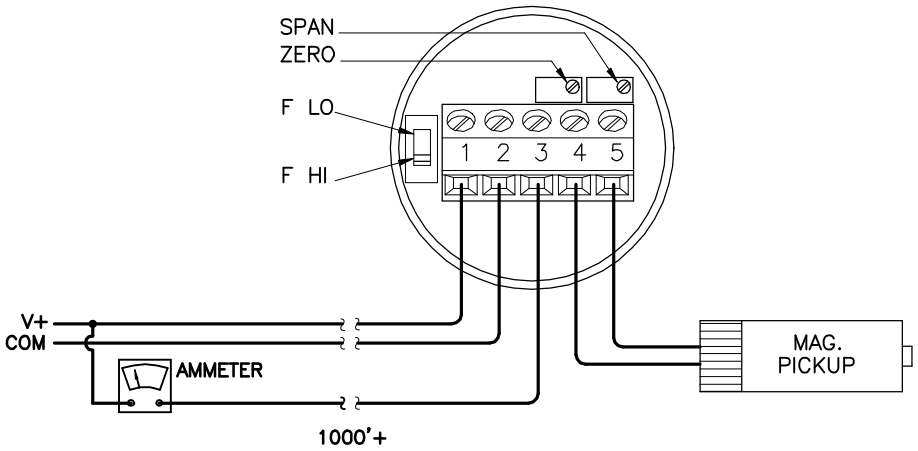
FREQ.: F LO
F HI



CURRENT MEASUREMENT, 3 WIRE

SWITCH POSITIONS:

FREQ.: F LO
F HI



Electronic Data Devices

Turbine Flow Meters

4.303 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

DC Coil Resistance	1450 ohms	Output Volts	2.5Vpp (turbine meters)
Inductance	800 mh	Pole Piece	Extended
Magnetization	900 Gauss	Construction	303/304 S>S> solid epoxy
Temperature Range	-150° to +250°F	Connection	2 pins gold plated
Overall length	2.25"	Mating Connector	MS 3106A-10SL-4S
Thread Size	5/8 X 18	Thread Length	1.13"

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• Website www.eddevices.com

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CE

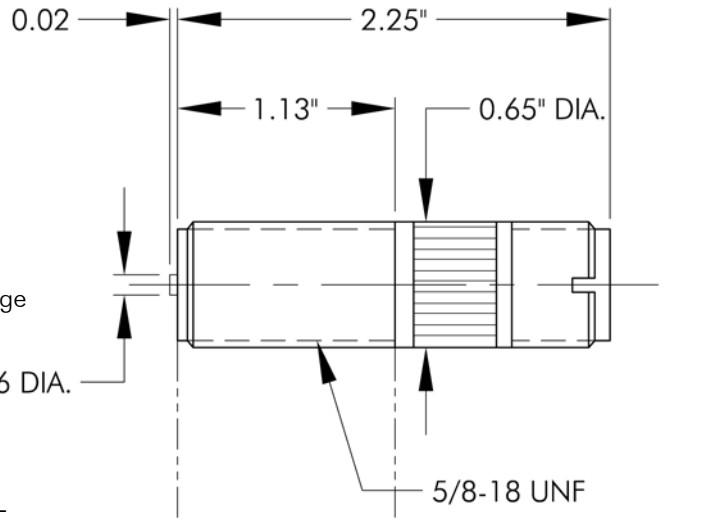
4.303
Digital Magnetic Pick-Up
5/8 - 18 UNF

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.

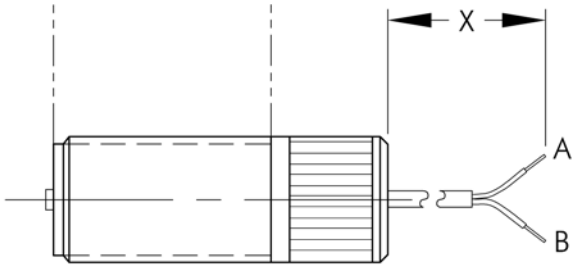
A sanitary version to NEMA 6, IP65 & IP67 is also offered.

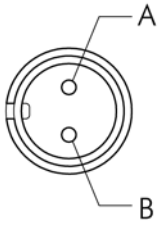
All Models are also available with an optional temperature probe.



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 lenght, material of con struction, configuration, special pole piece type, thread size, hermetically sealed, precision custom magnetiza tion, intergal temperature sensor, con nector and/or cable termination, please contact factory.





PIN Out

A +Voltage
B -Ground

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

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5/8 - 18 UNF

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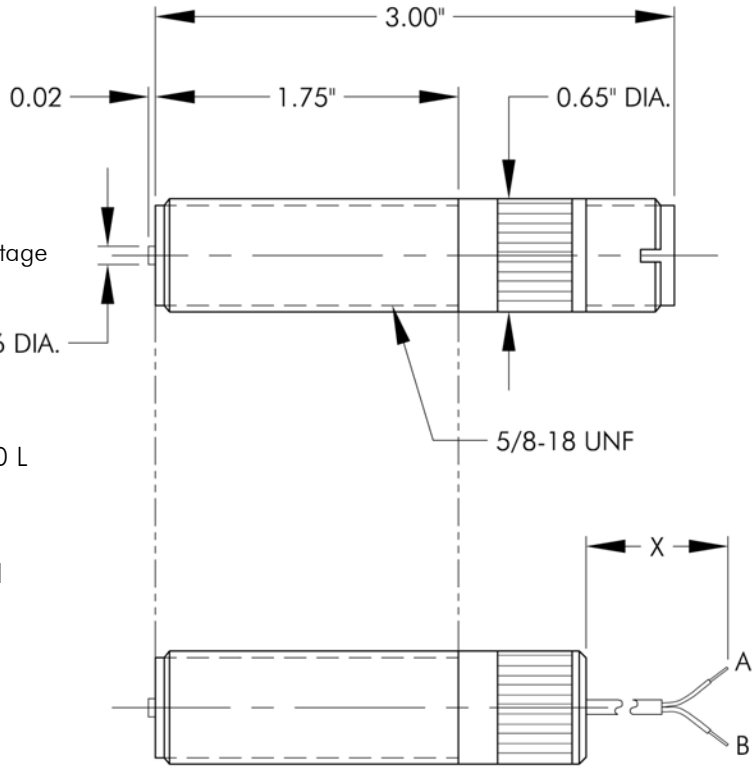
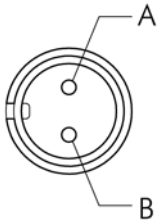
A sanitary version to NEMA 6, IP65 & IP67 is also offered.

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 lenght, material of con struction, configuration, special pole piece type, thread size, hermetically sealed, precision custom magnetiza tion, intergal temperature sensor, con nector and/or cable termination, please contact factory.



PIN Out

A +Voltage
B -Ground

Connector Type Pick-up Part Number: 4.304
WIre Lead Pick-up Part Number: 4.304L
Connector Part Number: MS3106-10SL-4S

Electronic Data Devices

Turbine Flow Meters

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

Supply Voltage	7.5 to 30 Vdc	Signal Output	0 - 10 V
Frequency Range	3 - 10 kHz	Pole Piece	Extended
Magnetization	900 Gauss	Input Sensitivity	30 mVpp
Temperature Range	-40° to +250°F	Connection	3 pins gold plated
Overall length	3.0″	Mating Connector	MS 3106A-10SL-3S
Thread Size	5/8 X 18 UNF	Thread Length	1.75″

P.O. Box 12128
Odessa, Texas 79768
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sales@eddevices.com

4.5015U
Digital Magnetic Pick-Up
5/8 x 18 UNF

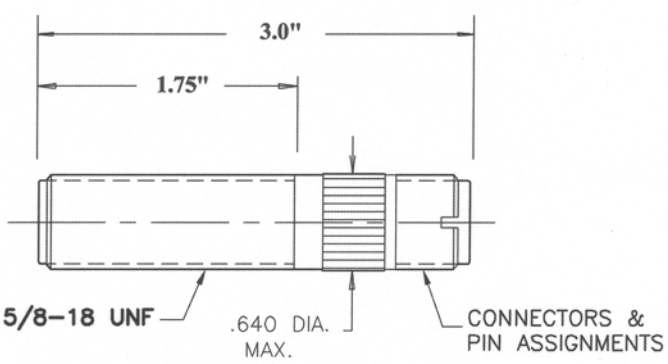
Product Description

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 wersions are available for ultra low current draw, ideal for battery appliactions.

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
@ $\leq$ 20 mA sink 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

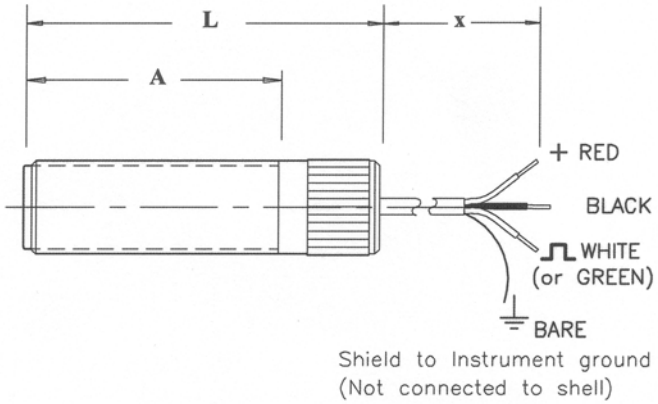
Frequency Range: $\leq$ 3 Hz to 10 kHz
$\leq$ 40 kHz at increased signal level, varies with target size, distance and pick-up sensitivity.
(Option: $\leq$100 kHz)
MICROPOWER: $\leq$1 Hz to 30 kHz

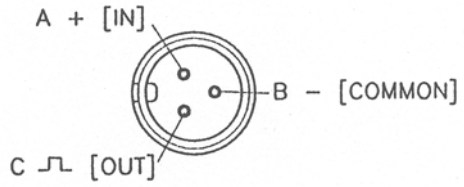
Rise/Fall Time: 0.04 / 0.16 µs

Temperature Range: -40° to 248° F (-40° to 120° C)
(Option: -45° to 140° C)

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

Sensor Body: 303 Stainless Steel





PIN Out

A +Voltage
B -Ground
C Signal Output Square Wave

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
Odessa, Texas USA
432-366-8699
sales@eddevices.com

4.5024
Digital Magnetic Pick-Up
11/16 - 24 UNEF-2A

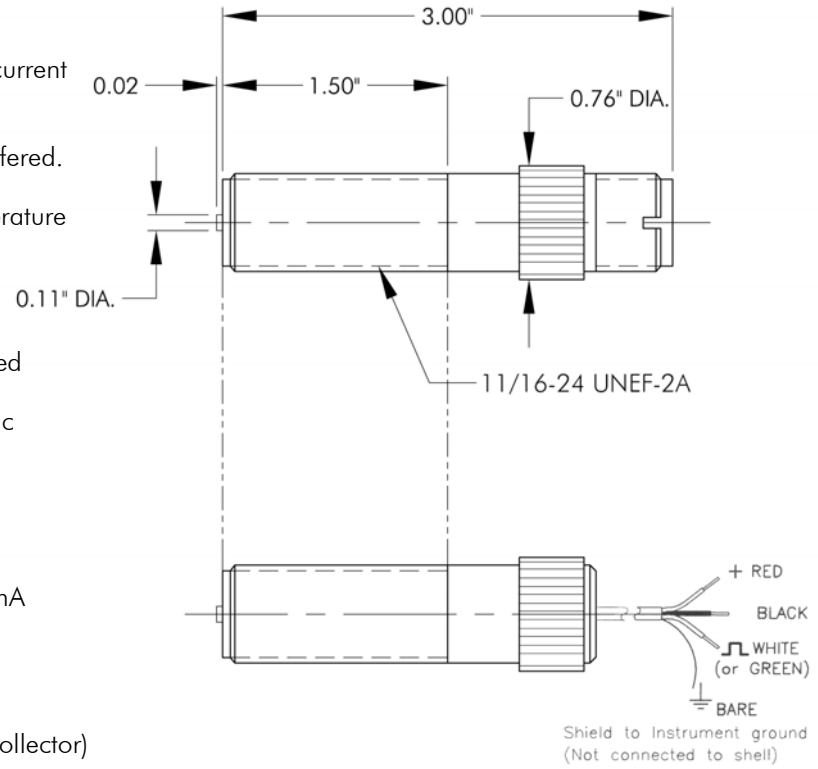
Product Description

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 wersions are available for ultra low current draw, ideal for battery appliactions.

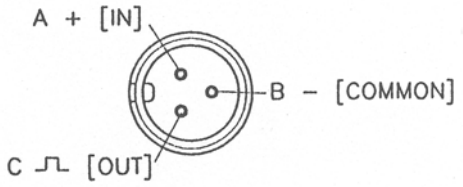
A sanitary version to NEMA 6, IP65 & IP67 is also offered.

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: @ $\leq$ 20 mA sink	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 µs
Temperature Range:	-40° to 257° F (-40° to 125° C) (Option: -45° to 140° C)
Magetization:	Standard: $\geq$ 900 GAUSS Low Mag: 250 GAUSS, typ.
Sensor Body:	303 Stainless Steel



PIN Out

A +Voltage
B -Ground
C Signal Output Square Wave

Connector Type Pick-up Part Number: 4.5024
WIre Lead Pick-up Part Number: 4.5024L
Connector Part Number: MS3106A-10SL-3S

Electronic Data Devices
Odessa, Texas USA
432-366-8699
sales@eddevices.com

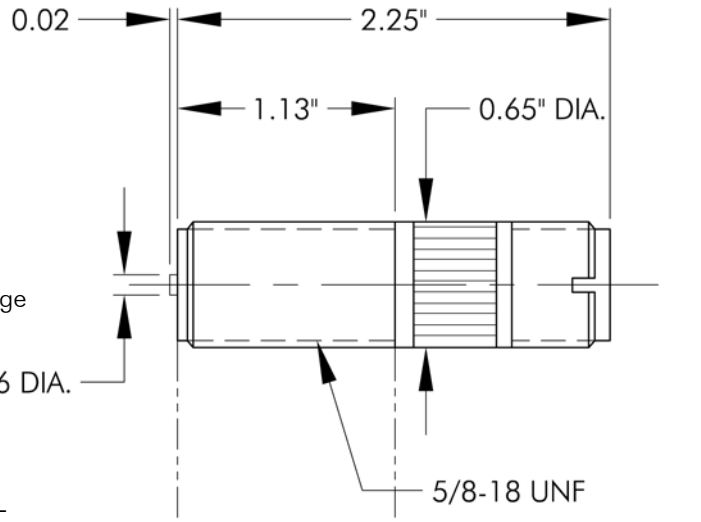
4.5050
Digital Magnetic Pick-Up
5/8 - 18 UNF

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.

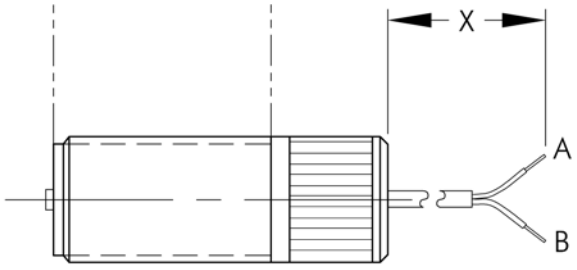
A sanitary version to NEMA 6, IP65 & IP67 is also offered.

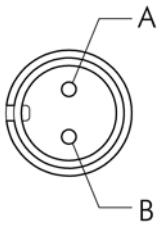
All Models are also available with an optional temperature probe.



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 lenght, material of con struction, configuration, special pole piece type, thread size, hermetically sealed, precision custom magnetiza tion, intergal temperature sensor, con nector and/or cable termination, please contact factory.





PIN Out

A +Voltage
B -Ground

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

Electronic Data Devices
Odessa, Texas USA
432-366-8699
sales@eddevices.com

CE

4.302T800
Magnetic Speed Sensor
High Temperature

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.

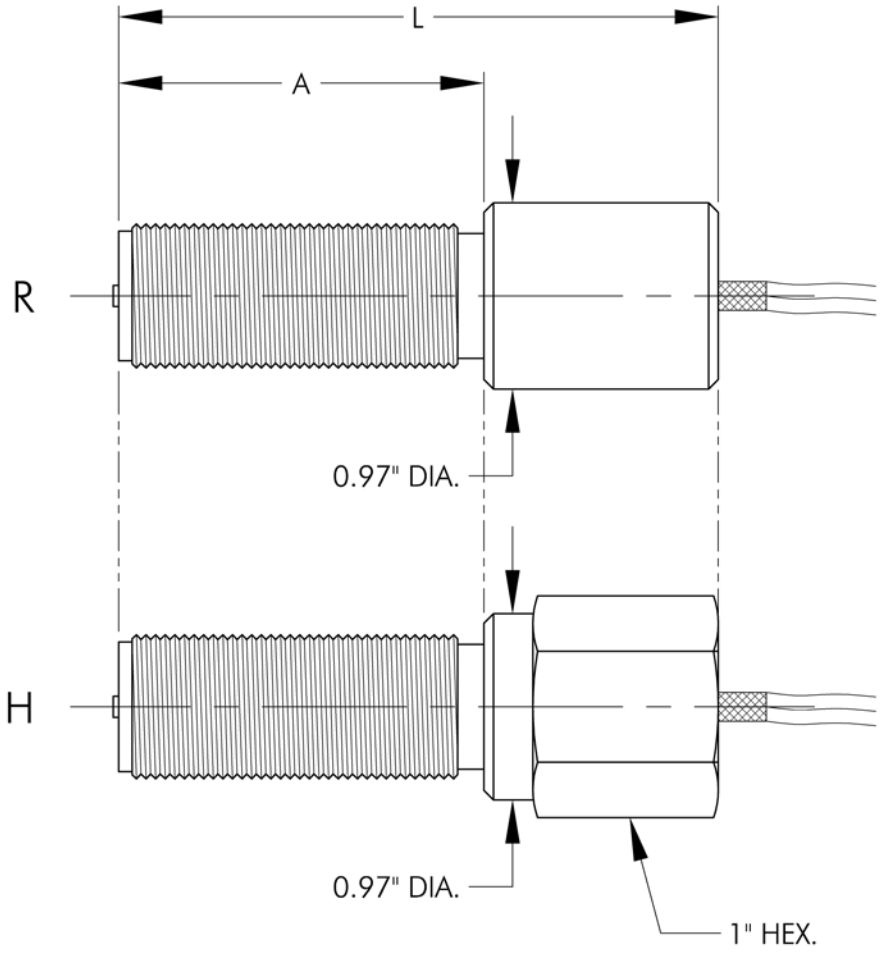
Magnetization:
- Standard: 900 GAUSS, typ.
- Low Mag: 300 GAUSS, typ.

Temperature Range:
- 8HT: -450° to +850° F (-270° 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.

Part Number	4.302T800, R or H
Lead Wires	L 36"
Thread	3/4 - 20 UNEF
Thread Length (A)	1.9" (46 mm)
Shell Length (L)	3.12" (79 mm)
Coil Resistance (Inductance)	160 Ohms (140 mH)
Pole Diameter	0.106"
Pole Length	0.020"