

## Kobold Digital Temperature Sensor

- Measuring Range -58 to 250°F
- Semiconductor Sensor
- Scalable 4-20mA Output
- Easy-to-Read LED Display
- All Stainless Steel Construction

**TDA**


### SPECIFICATIONS

Display Type:	3-digit red LED
Display Resolution:	0.5° from -10° to +100°, 1° below -10 and above 100°
Accuracy:	14 to 185°F: ±0.9°F 14 to -58°F: ±3.6°F 185 to 250°F: ±3.6°F
Pressure:	1150 PSIG max.
Process Temp:	250°F max.
Ambient Temp:	120°F max.
Material:	316L Stainless Steel housing & probe
Remote Probe Cable:	Teflon, 8ft. std.
Power:	24 VDC ±20% @ 20 mA
Output:	4-20 mA, 3-wire, 500Ω max. load
Sample Rate:	0.5 Sec./sample
Dampening:	Averaging 2, 4, 8, 16, 32, or 64 samples
Electrical Connection:	4-Pin Micro-DC male plug or PVC jacketed cable
Electrical Protection:	NEMA 4/IP 65

### Programmable Features

- Lockout Code
- Dampening
- Transmitter Span

### ORDERING INFORMATION

To Order: Insert Code for Each Letter to Select Catalog Number

 TDA -15 - **A** - **B** - **C** - **D** Example TDA-15-N4-F2-0-L3M

<b>A</b>	<b>Process Connection</b>				
	N4	1/2" NPT	N5	3/4" NPT	
	R4	1/2" BSP	R5	3/4" BSP	
	D6	Remote Probe (Smooth Shank)			
<b>B</b>	<b>Measuring Range</b>				
	F2	0 to 250°F			
	F3	-58 to 250°F (only available with Remote Probe)			
	H2	-20 to 120°C			
	H3	-50 to 125°C (only available with Remote Probe)			
<b>C</b>	<b>Probe Length</b>				
	0	12mm / 1/2" (not Available with Remote Probe)			
	1	100mm / 4"			
	2	185mm / 7.25" (not Available with Remote Probe)			
<b>D</b>	<b>Electrical Connection</b>				
	L3M	Micro-DC plug, 4-Pin male			
	L3P	3 Ft. PVC cable			
	L3S	Custom length PVC cable			

## Kobold Magneto-Inductive Flowmeters

**NEW**

- Flow Rates from 0.26 GPM to 200 GPM
- Use with Conductive Liquids, Acids & Caustic
- No Moving Parts
- Digital Display Option
- Frequency or mA Output

**MIK-C34**


### SPECIFICATIONS

Liquid:	Conductivity >30 μS/cm
Accuracy:	±2.0% of full scale
Repeatability:	±1% of full scale
Straight Pipe:	Requires 3X dia. upstream, 2X downstream
Operating Temp.:	32-176°F (140°F max. with PVC fittings)
Pressure:	145 PSIG max @ 70°F
Pressure Drop:	3.6 PSI max @ 100% rated flow
Electrical Protection:	NEMA 4X/IP 65
Power Supply:	24 VDC ±20% required
Connector:	Micro-DC male, 4-pin (5-pin on C34)
Frequency Output	PNP open collector, 200 mA max.
Analog Output	4-20 mA, 3-wire, 500Ω max.
Switch Output	PNP or NPN open collector, 300 mA max.

Compact electronic units (C34 Output Type) have a digital display and programmable switch setpoint, reset point, switch logic, 4-20 mA span/zero, dampening & lockout code. Set via 2-button keypad. Models with Integral Totalizer & Batch Controller electronics are also available.

### ORDERING INFORMATION

 MIK- **A** - **B** - **C** - **D** Example MIK-5NAU4NL343

<b>A</b>	<b>Body Material</b>					
	5NA	Ryton with Buna-N Seal, 316L Electrode				
	5VA	Ryton with FKM Seal, 316L Electrode				
	6FC	PVDF with FFKM Seal, Hastelloy C4 Electrode				
<b>B</b>	<b>Range</b>					
		Fitting Set Size (" )				
		<b>GPM</b>	<b>N</b>	<b>P</b>	<b>M</b>	<b>A</b>
	U1	0.013-0.26				
	U2	0.04-0.8	1/4	1/2	--	1/2
	U4	0.13-2.6				
	U5	0.2-4.0	3/8	3/4	3/8	1/2
	U7	0.4-8.0				
	U8	0.65-13	1/2	1	1/2	1
	UA	0.8-16				
	UB	1.3-26	1	--	1	1-1/2
	UD	2.0-40				
	UE	4.0-80	1-1/2	--	1-1/2	2
	UG	6.5-130				
	UH	10-200	2	--	2	2-3/4
<b>C</b>	<b>Fitting Set*</b>					
	N	NPT female PVC				
	P	PVC hose barb				
	M	PVC glue socket				
	A	BSPP male				
<b>D</b>	<b>Output</b>					
	F300	Frequency 0-500Hz				
	F390	User Specified 50-1000Hz full scale				
	L343	4-20mA				
	C34N	4-20mA & NPN switch				
	C34P	4-20mA & PNP switch				

\* PVDF butt weld tube & polypro NPT female fittings also available for some ranges.