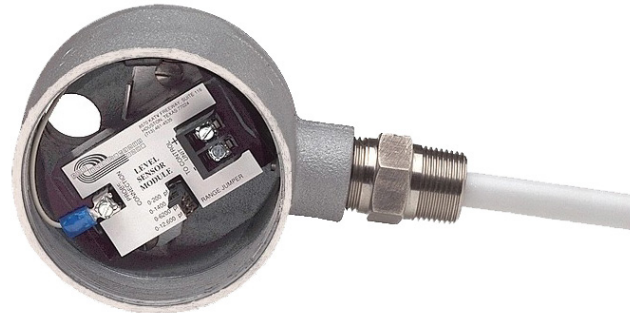


## Continuous Level Transmitter

### FEATURES

- Modular Electronics
- Remote Mounting up to 2000 Feet
- Ambient Temperature up to 185°F / 85°C
- Explosion-Proof or NEMA 4 Enclosures
- Rugged Probe Designs
- Vibration Resistant Sensor
- Minimum Span of 200 Picofarads



### OPTIONS

- Teflon® Sheathed Probe
- Extended Lower Bushing
- Flanged Process Connections
- Epoxy Coated Aluminum Enclosure
- Flexible Cable Probes
- DPDT Alarm Relay Probes
- Loop Powered Digital Display
- Remote NEMA 4X Enclosures



Remote Mount Control Unit

### APPLICATIONS

#### LIQUID APPLICATIONS

- Conductive Products
- Non-Conductive Products
- Interface
- Open Channel Flow Measurement

#### SPECIAL APPLICATIONS

- High Temperature
- Corrosive Environments
- High Pressure
- Special Probe Materials

### SPECIFICATIONS

Environmental	
Housing Type (Sensor)	Type "H" - Aluminum Enclosure Explosion-Proof NEMA 4 Type "G" - Aluminum Enclosure NEMA 4
Temperature	Electronics: -40° to +185°F / -40° to +85°C Functional Ambient -40° to +168°F / -40° to +70°C Rated Accuracy
Electrical Control Unit	
Input Power	95-130 VAC, 50-60 Hertz, 2 Watts; 190-260 VAC, 50-60 Hertz, 2 Watts
Output Signal	4-20 mA into 0-1100 Ohms, Fully Isolated
Input Signal	Pulse Duration (Optically Isolated from Sensor Unit)
Sensor Unit	
Input Power	From Control Unit
Output Signal	Pulse Duration (to Control Unit)
Calibration Range	Sensitivity 0-200 to 0-12,600 Picofarads
Accuracy	±0.5% of Full Span
Mechanical	
Process Connection	1/2" NPT (Unless Otherwise Stated)

## ORDERING INFORMATION

### A33/a/b/c/d/e:

<b>/a</b> Operating Voltage			
A	120 VAC		
B	240 VAC		
D	24 VDC		
<b>/b</b> Probe Type		Operating Temperature	Operating Pressure
1	316SS Probe / 4" *Delrin® Lower bushing / 1/2" NPT	A	A
2	316SS Probe / 4" *Teflon® Lower Bushing	C	A
6	PVC Covered Cable / 13" 316SS Weight	A	D
8	PVC Covered Cable / 13" Nylon Weight	A	D
K	Quick Release Clamp Probe / 4" *Teflon® Bushing	A	A
L	Quick Release Clamp Probe / *Teflon® Sheathed Probe	A	A
N	*Teflon® Covered Cable / 13" *Teflon® Weight	C	D
R	*Teflon® Sheathed Probe / 316SS Mounting Nipple	C	A
S	*Teflon® Sheathed Probe / *Teflon® Mounting Nipple	A	D
WR	Concentric Shield on 'R' Probe	A	A
W2	Concentric Shield on '2' Probe	A	A
X	*Teflon® Sheathed Probe / 316ss Inactive Sheath	C	A
*Registered Trade Mark of E.I.DuPont Corp.			
<b>/c</b> Probe Length			
xxx	Rigid Probe in Inches; Cable Probe in Feet		
<b>/d</b> Options			
/O	No Options		
/C	Epoxy Coated Aluminum Enclosure (NEMA 4X)		
/F	Flanged Connection		
/G	*Teflon® Faced Flange		
/L	Stainless Steel Tags		
/T	*Teflon® Centralizer (for type "W" probe)		
/Z	Any Special Options (Such as Ext. Lower Bushing) Not Included in Above Description		
/Z	A36 Power Supply		
/Z	A37 Set-point Module		
/Z	Belden "8762" Connector Cable		
/Z	A33-M-A-ANA (0-100% Analog Only)		
/Z	A33-M-D-LED (3 1/2 digit display requires A36 power supply)		
/Z	A33-M-D-LCD (3 1/2 digit loop powered display)		
/Z	Remote Mount NEMA 4X Enclosures (Specify size as #1- 8"x6", #2- 10"x8", #3- 12"x10", #4- 12"x14", #5- 16"x14")		
/Z	Special - Explain		
<b>/e</b> Enclosure			
/G	NEMA 4		
/H	Remote Explosion Proof & NEMA 4		
/Z	Special, explain		

Operating Temperature Codes		Operating Pressure Codes	
A	-40 to 185°F / -40 to 85°C	A	1500 psi @ 77°F / 103 bar @ 25°C
B	-40 to 320°F / -40 to 160°C	B	Static Head Only (Consult Factory)
C	-40 to 450°F / -40 to 230°C	C	150 psi / 10.3 bar
D	200 to 1400°F / 95 to 760°C	D	100 psi / 7 bar

K-TEK  
6100 West by Northwest #140  
Houston, TX 77040 USA  
Phone: +(1) 713-462-7665  
Fax: +(1) 713-462-7684  
Email: sales@kteksolidslevel.com  
Website: kteksolidslevel.com

A33-0202-1 Rev c (08-2010)  
DCN0508  
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