

Programmable Ultrasonic Transmitters LCSUE

- ◆ Lower cost
- ◆ Touch-Magnet programming
- ◆ Excellent focusing - 5° total beam angle
- ◆ Secondary lightning protection
- ◆ Linear 4 to 20 mA plus relay outputs
- ◆ Built-in full-scale temperature correction
- ◆ Local programmable indicator
- ◆ HART interface available

for LIQUIDS

DISCOUNT CLASS 1



Technical specifications

Power supply

Supply voltage	10.5 to 40 VDC(28 VAC)
Consumption	maximum 3.6 W or 4 VA

Input

Media type	Liquids
Sensor type	Ultrasonic echo transducer
Measuring range	0.2 to 10 m
Resolution [mm]	1(<2m), 2(2-5m), 5(5-10m)
Accuracy	± 0.2% of reading ± 0.05% of span

Outputs

Current output	4 to 20 mA, isolated (250Vmax.)
Line resistance	maximum 600 Ω
Calibration	touch magnet
Relay output	SPDT, 3A/250VAC
Interface (option)	HART
Software (option)	'EView' ⁽¹⁾ software
Modem (option)	HART modem

Operating conditions

Medium temperature	Model 38: -30 to 80 °C Model 36: -30 to 60 °C
Ambient temperature	-30 to 60 °C
Storage temperature	-40 to 80 °C
Process pressure (absolute)	<0.3 to 3 Bar

Design and materials

Housing material	PP
Transducer material	PP
Mounting	See table below
Dimensions	See table below
Electrical connection	3 meters 6x0.5mm ² shielded cable
Additional cable length (option)	up to 27 m
Protection sensor/housing	IP68
Weight	~ 1.2 kg

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⁽¹⁾ Includes PC interface cable and CD-software package for viewing and configuration of network with up to 15 devices

Model	38	36
Specifications		
Range	6 m	10 m
Dead zone	0.25 m	0.35 m
Total beam angle	5°	5°
Frequency	80 kHz	60 kHz
Process connection	2" G or NPT ⁽²⁾	free
Dimensions B x H/free H	98x190/130	98x166/130
Vapor penetration	weak	satisfactory
Application field	Small tanks with 2" process connection	Small to medium tanks

⁽²⁾ Specify when order!

Ordering code LCSUE* - G8.G9 - #1#2

Base model

LCSUE38 - X - XX
LCSUE36 - X - XX

Code	Feature or option	Code values
*	Variant (model)	38 or 36 (from the models shown above)
G8	Cable length	3...30 m (specify the exact length) per m over 3 X - none H - HART interface
#1	Networking configuration software (for HART)	X - none S8 - 'EView' software on CD plus cable
#2	HART modem	X - none HM - HART modem