

The **DEETER** Group®

SL-100S Ultrasonic Level Meter



Product Description

SL-100S is an ultrasonic non-contacting level meter which will increase the effectiveness of your liquid management process.

It is able to connect up to two sensors. Depending on the sensor, the measurement range is 5 meters, 10 meters or 15 meters. The sensor cable can be extended up to 450 meters.

SL-100S's user friendly interface offers the user easy installation and calibration. Simple maintenance ensures a maintenance cost saving. All functions are optimized which enables you to effectively monitor the liquid level and keep your facilities running safely and reliably.

Features

- Single, Dual Sensor Channel
- Measurement Range 5m, 10m and 15m
- Simple installation and calibration
- 3,6 Relays
- Error instruction guide by QR code scanning
- RS232, RS485, Modbus
- Level Trend Monitoring
- Downloading of Logging Data via USB
- Firmware Upgrade via USB

Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk



www.deeter.co.uk

The **DEETER** Group®

SL-100S Ultrasonic Level Meter

Specification

Controller - SL-100S

Measurement	Ultrasonic non-contacting
Accuracy	0.2% of F.S
Resolution	1mm
Damping Rate	0.1m/min - 100m/min adjustable
Output	Analog 4~20mA,max 750Ω isolated Relay 3 or 6 Digital RS232, RS485, Modbus
Display	Illuminated Graphic LCD
IP Rating	IP65
Temperature	-20°C~60°C (-4°F~140°F)
Material	Polycarbonate
Dimension	166(W)×250(H)×95(D) mm
Weight	ca. 2kg
Power Supply	100~230V AC±15%, 50/60Hz, 29VA(12W) Fuse: 250V T1.0A DC 9~30V, Max 8W

Sensor - LXD-05, LXD-10, LXD-15

Range	LXD-5: 0.3~ 5m (0.98- 16.4ft) LXD-10: 0.3~10m (0.98- 32.8ft) LXD-15: 0.3~15m (0.98- 49.2ft)
Beam Angle	10° at -3dB
Process Connection	1" PF
Weight	1.5kg - 2.0kg
Material	PP, PVDF
Temperature	-30°C~70°C (-22°F~158°F)
Temperature Compensation	by a built-in temperature sensor
IP Rating	IP68
Cable	2 Core Shield (AWG18)
Cable Extension	up to 450m (1,476ft)
Certificate	CE, UL, FCC
Warranty	3 years

* The specification is subject to change without notice.

Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk



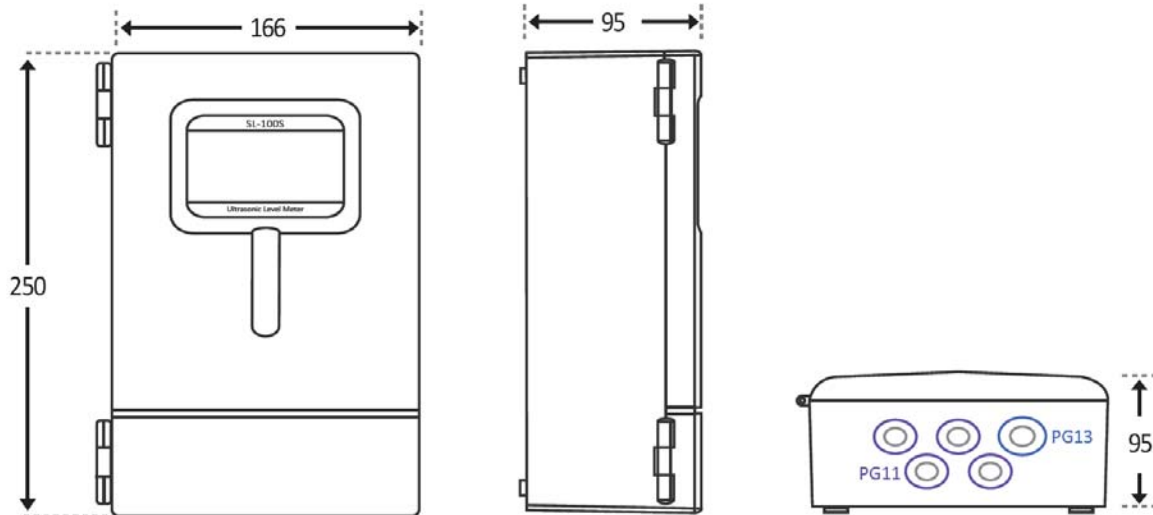
www.deeter.co.uk

The DEETER Group®

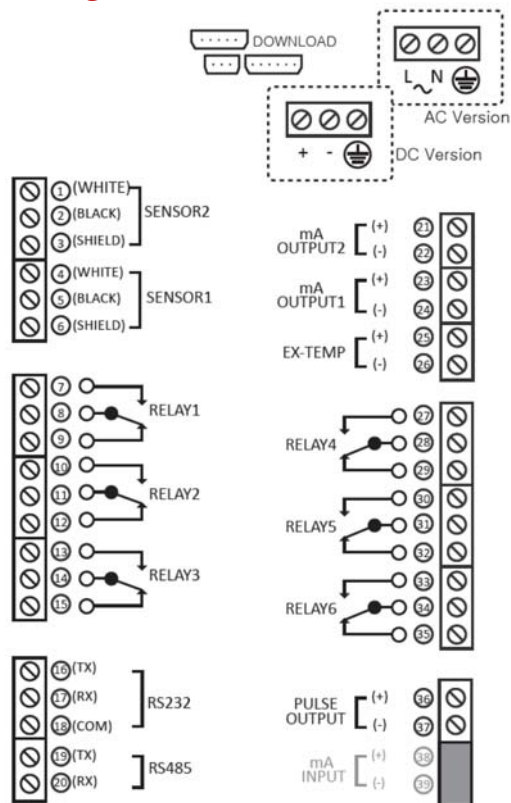
SL-100S Ultrasonic Level Meter

Dimensions – SL-100S Controller

[unit: mm]



Wiring – SL-100S Controller



* Unused terminal block are colored in gray.

Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk



www.deeter.co.uk

The DEETER Group®

SL-100S Ultrasonic Level Meter

Ordering Code – SL-100S Controller

SL-100S Ordering Code	
Sensor Channel	
1	1x SENSOR
2	2x SENSOR
Power Supply	
A	AC 100 to 230V (Standard)
B	DC 9 to 30V
Communication	
N	none
A	RS232 (Standard)
B	RS485
C	RS232 on Modbus
D	RS485 on Modbus
Relay	
3	3x Relay (Standard)
6	6x Relay

SL100S-

Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk

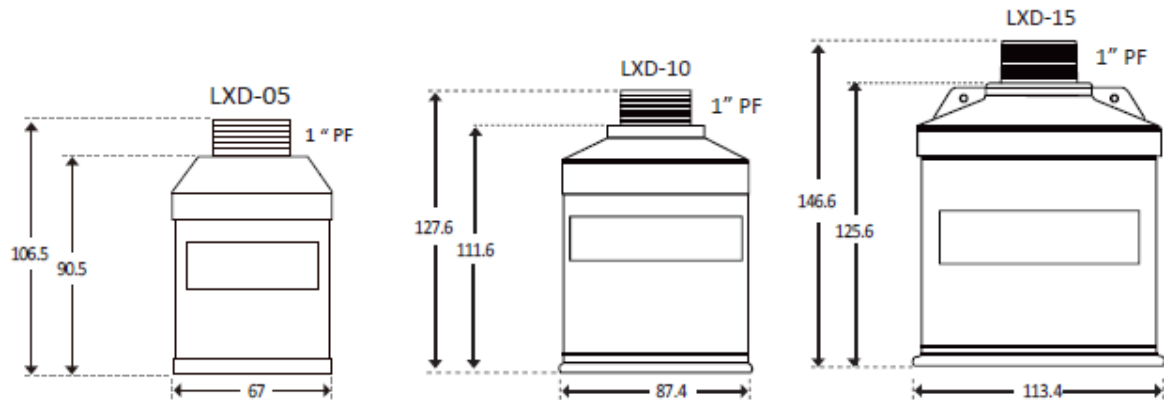


www.deeter.co.uk

The **DEETER** Group®

SL-100S Ultrasonic Level Meter

Dimensions – LXD Sensor Series



Dimensions shown in mm

LXD Sensor Cable



Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk



www.deeter.co.uk

The DEETER Group®

SL-100S Ultrasonic Level Meter

LXD Sensor Series Ordering Code

LXD-Sensor Ordering Code	
Range	
05	05m (16.4ft)
10	10m (32.8ft)
15	15m (49.2ft)
Sensor Material	
S	PP
P	PVDF
Cable Length	
1	1m (Standard)
5	5m
10	10m
20	20m
30	30m
T*	Tailor-made
Accessory-Flange	
N	none
1	80A
2	100A
3	150A
4	200A
T*	Tailor-made
Accessory-Flange Standard	
N	none
D	DIN
A	ANSI
J	JIS
Accessory-Extension Pipe	
N	none
T*	Tailor-made
LXD -	

T* Specify the exact size.

All electrical equipment should be installed by a qualified/certified electrician.

The Deeter Group follows a policy of continual development of its products and reserves the right to change specifications and/or features without notice

Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk



www.deeter.co.uk