



# LEVEL HUNTER III

Process Instrumentation

## Ultrasonic Level Meter & Pump Controller

- **Non-contact ultrasonic level measurement for liquids and solids**
- **Single or Dual Channel**
- **Measures Level up to 50 feet**
- **Bar screen control using Differential Level**
- **Controls & Alternates up to 6 Pumps (Lead/Lag Rotation)**
- **Ultra narrow ECHO pulse width with beam focusing transducer face (Condensation Prevention)**
- **Data Logging & USB download**



**Ultrasonic Level Meter  
Level Hunter III & LXD Transducer**

The ECHO Level Hunter III is an advanced, low-cost ultrasonic level controller that utilizes the latest state-of-the-art technology to provide reliable measurement and control. High in functionality, the Level Hunter III offers non-contact measurement of liquids, slurries and solids. The versatile instrument with 3 (Optional 6) programmable relays measures and displays level, distance, volume and differential.

The six buttons allow for easy programming using a quick setup method. No manual needed. ECHO Process Instrumentation has eliminated the need for complex parameter programming. It uses a simple question and answer sequence which allows the Level Hunter III to be programmed in minutes. It is the ideal instrument for non-contact level measurement and alarm control.

Big in functionality and small on price, the Level Hunter III is perfect for the toughest applications. We offer a standard 60 day Performance Guarantee and 1 year warranty. We will prove our technology and high quality product is the best in the market and completely risk free to the customer. A totally flexible solution!



### Advantages

- **Non-contact Ultrasonic Level Measurement**
- **Measures liquid and solid level up to 50 feet**
- **Pump Station Controller for up to 6 Pumps**
- **RS232 standard, RS485 Modbus Optional**
- **High, HiHi, Low, LoLo Alarm Relays**
- **0.25% Accuracy of Measured Range or 6mm (whichever is greater)**

# Technical Specifications: LEVEL HUNTER III TRANSDUCERS: LXD 05, 10, 15



## General

**Measuring principle** : Ultrasonic Level Measurement  
**Range** : Transducer Dependent (up to 50')  
**Accuracy** : 0.25% of measured range or 6m (whichever is greater)  
**Resolution** : 1 mm

## Transmitter

**Enclosure** : Wall mounted housing  
**Protection rating** : NEMA 4X (IP65)  
**Operating temp.** : -4 ...140°F (-20 ... 60°C)  
**Housing material** : Polycarbonate

**Channels** : 1 or 2  
**Power supply** : 100 ... 240 VAC 50/60 Hz, 29VA(12W)  
 ( Optional 9 to 30 VDC, 8W max)

**Display** : Illuminated Graphic  
**Dimensions** : 6.5 W x 9.8 H x 3.7 D inch LCD  
 (166W x 250H x 95D mm)

**Weight** : Approx. 5 lbs (2 kg)  
**Damping Rate** : 0.1/min to 100m/min (user-adjustable)  
**Temp Comp.** : Fully Temperature Compensated  
**Languages** : English

## Output

**Analog Output** : 4-20 mA, max 750Ω isolated  
**Serial interface** : RS 232, RS 485 Modbus RTU (Optional)  
**Digital (Relay)** : 3 or 6 SPDT Relays rated 250VAC @4A  
**Relay Function** : Alarm, Fixed, Alternating Pump Control or Differential Control

## Transducers

**LXD-05**  
**Dimensions** : 2.6" dia x 4.2" ht (67mm d x 106mm ht)  
**Material** : Polypropylene, optional LXD-P 05 = PVDF

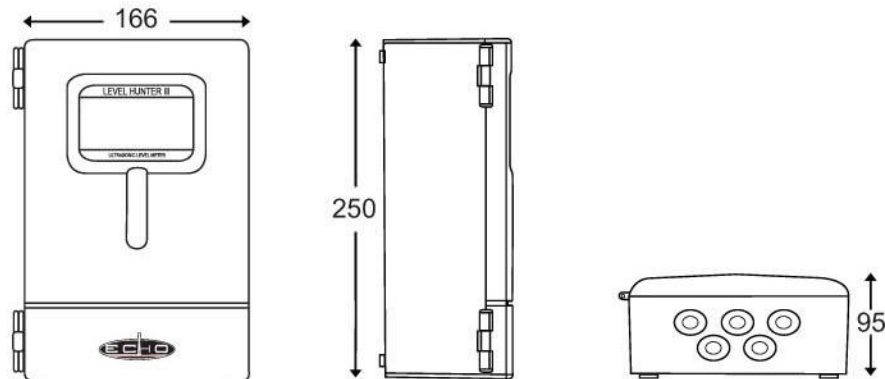
**LXD-10**  
**Dimensions** : 3.4" dia x 5.0" ht (87mm d x 128mm ht)  
**Material** : Polypropylene, optional LXD-P 10 = PVDF

**LXD-15**  
**Dimensions** : 4.4" dia x 5.8" ht (113mm d x 147mm ht)  
**Material** : Polypropylene, optional LXD-P 15 = PVDF

## Options

**Enclosures** : Heated & Cooled- Thermostat Controlled  
**Mounting** : SS Uni-strut Wall & Floor Mount Versions

## LEVEL HUNTER III DIMENSIONS (mm)



## LXD TRANSDUCER DIMENSIONS (mm)

