

ULLC2001 M - Ultrasonic Liquid Level Indicator

Specification

BNC Connector

LCD Display

ON/OFF Buttons

Tuning Dial



Display: 3 row 16 character backlit LCD display (LIGHT button)

Display Function: Permanent ambient temperature display

Display Feature: Each unit personalised with your Company Name on request

Transducer Type 1: Ultrasonic Hand Held Transducer

Transducer Type 2: Transducer extension pole for ship bulk system installations

Accuracy: Easy to locate and estimate the liquid gas level within +/- 2%

Controls: 0 - 10 Ultrasonic setting controller - OFF/ON buttons

Frequencies: 0.5 - 1MHz

Ultrasonic Device: Max sound level 73dB re 1uPa at 40V peak to peak

Power Supply: 18VDC via 2 x VDC PP3 alkaline batteries (24hrs continuous use)

Instrument Dimensions: 241mm x 115mm x 45mm (9.5" x 4.5" x 1.75")

Carry Case Dimensions: 370mm x 320mm x 130mm (14.5" x 12.5" x 5.25")

Instrument Weight: Including batteries: 0.5KG (1.1lb)

Shipment Weight in Carry Case: 2.6KG (5.74lbs)

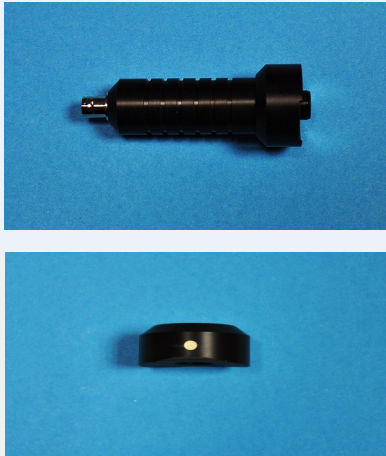
Operation Temperature: 5-40 deg C, Relative to liquid gas being measured (CO2 up to 27 deg C, Halon and others up to 35 deg C)

Certification: UL Listed product complying with NFPA requirements

Warranty: 5 Year Instrument & 1 Year Transducer

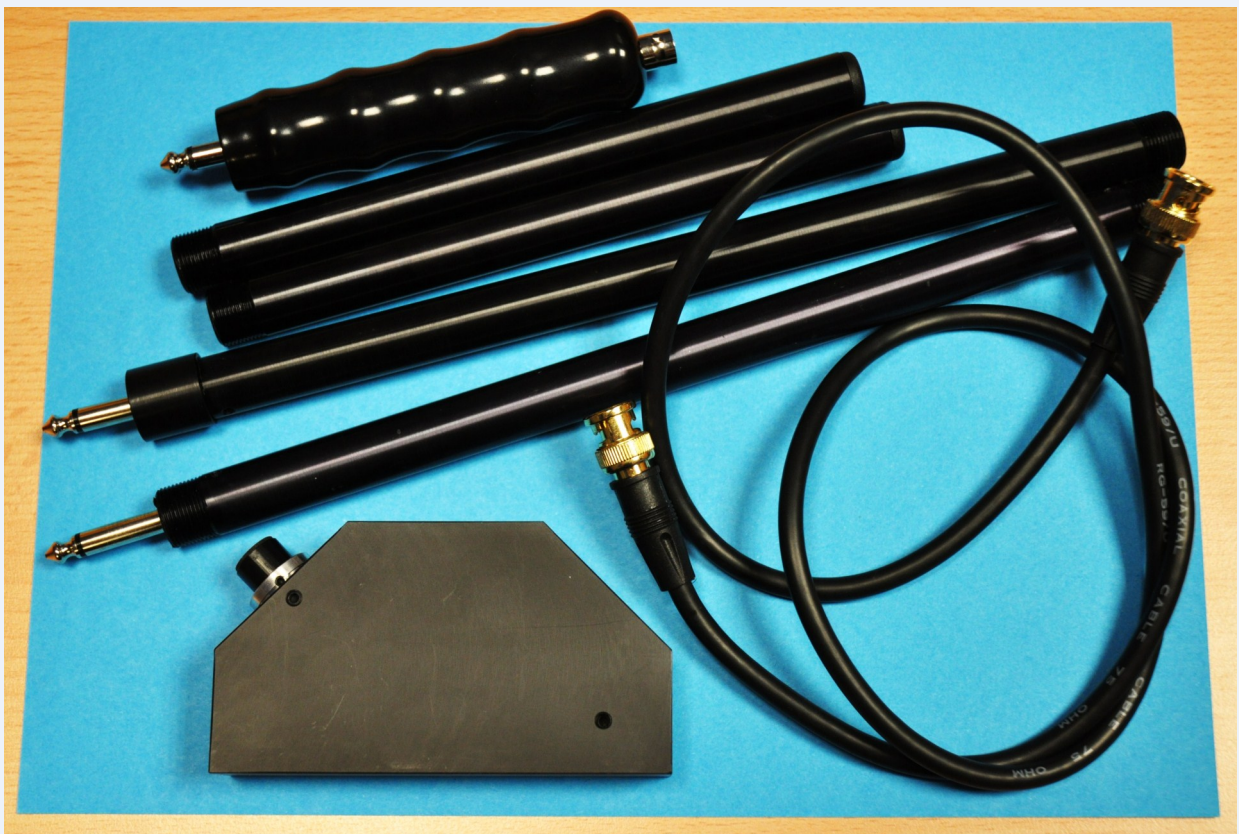
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Hand Held Transducer



Consists of a Hand Held Holder, containing the spring-loaded sensor. The sensor is held into the holder by a grub screw in the holder body. The Transducer Holder can be fitted with 2 types of guide heads. The non-magnetic guide head is ideal for sliding the transducer up and down the cylinder (Gel must be used when sliding the Transducer). The Magnetic Head is only used if you move the transducer one step at a time. The Guide Heads simply screw on to the front of the Hand Held Holder. At the rear of the Holder is a BNC connector; a cable is supplied to connect the Transducer to the ULLC2001 unit.

Extension Rod Transducer



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Extension Rod Transducer

Consists of a Triangular Holder, threaded to suit a 650mm extension pole and 2 x cylinder guide rods that support the transducer on the cylinder. The transducer is fitted with a permanent spring to achieve a constant applied pressure when attached to the cylinder. The Extension Rod connects together by a screw thread arrangement and phono socket connections. Before fully assembling as per the layout in the picture right, assemble the 2 x guide pole to the Triangular holder only. This will make transducer adjustments easier.



The Transducer is adjustable to suit the cylinder diameter from 7"/175mm to 12"/300mm diameter. Adjust the transducer with the 2 x guide poles fitted only to the triangular holder. Simply loosen the grub screw in the Triangular Holder and adjust the Transducer in and out to suit the diameter required. Fully in, the Transducer is set for a 7"/175mm diameter cylinder each line then marked on the Transducer is + 1"/25 up to the maximum 12"/300mm. Do not withdraw the Transducer from the holder totally as you may break its connecting wires, lock the transducer body by tightening up the grub screw. Ensure the transducer is full depressed into the transducer alloy body when you apply the transducer to the cylinder, you may need to make minor adjustments to ensure this is correct.

Fully assemble the Rod and connect it to the Comparator via the Photo to BNC connecting lead.

