

LIQSENS LEVEL SYSTEMS DATA SHEET - LLD2

charis
MEASUREMENT & CONTROL

DESCRIPTION

The LLD2 is an advanced Level Transmitter designed for use with Charis Level Sensors for the control of level in processes such as Biotechnology, Food, Chemical Manufacture and Effluent Treatment. Charis Technology's unique IMA Sensing technology is used to sense level at fixed points or continuously.

The LLD2 is designed primarily for reliability and will operate correctly even in the presence of severe fouling of the sensor. The level measurement is not affected by foam at the liquid surface. The transmitter can be interfaced to a process controller or an alarm.

An adjustable response time discriminates against splashing or other spurious triggers. Volt-free contacts can be used for point detection and an analogue o/p (4-20ma) for level indication.

The Liqsens system uses a multi-point detection sensor with up to 10 sensors in one body, which can be designed for the specific requirements of the application. The controller has 8 measurement channels which can be configured to suit the sensor.



Registered Trade Mark



ELECTRICAL DATA

Power Supply	110 , 230 Volts a.c., 50 Hz, or 24 V d.c.
Resolution	1 mm nominal (depends on application)
Conductivity	10uS to 20 mS nominal (depends on application)
Fouling Immunity	Sensitivity to fouling <1% of sensitivity to liquid.
Interfaces	2 x 'Volt-free' contacts - 240 Volts a.c. 2 amps. 4-20 mA analogue output to indicate level.

PROCESS FITTINGS

½" BSP, 0.5", 1.5", 2" Triclover, 1", 2" ANSI Flange

ENCLOSURE DATA

IP Rating	IP65 wall mounting.
Dimensions	Height 225 (including glands), Width 240, Depth 115mm
Connections	Screw terminals. Cable entry via PG11 cable glands x 4.