

13. Level measurement of ink

Have you experienced ink adhering to your hands? We can solve the problem!

Ink is sticky and a surface of the liquid would never be flat.

Our Ultrasonic Level Switch Mysonic series was developed for this needs.

Measuring principles

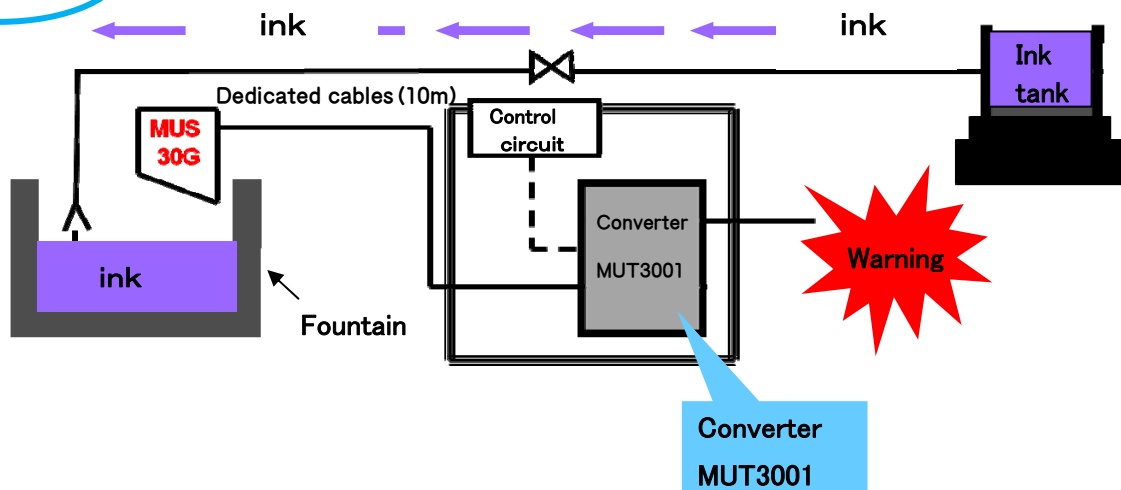
Uses an ultrasonic transmitter and a receiver

Measures the time for Ultrasonic pulse to hit and return from ink surface.

That's

Mysonic MUT3000 series.

Equipment configuration



How to use

Probe

Install it in a position where it does not contact the sensor directly, over an ink tank. The attaching position and the manner will make a difference of accuracy in detection of an ink level. Also there is a cover which makes an acoustic field around the sensor optimum.

Employed cable

Dedicated 2 core individual shielded cable is adjuncted to the sensor.

Converter

Use Mysonic MUT3001 which has a 1 contact output for pump control. 3 contacts can be installed independently in MUT3003 and it will be dropped off as a basal plate. Also MUT9008, which was developed for ink printers has been favorable because of its stable 2 distributing operation.

Features

- ★ Capable of level measurements to the sensor's apex.
- ★ The sensor is compact, lightweight, and easy to embed in a device.
- ★ No worries about ink adherence.