

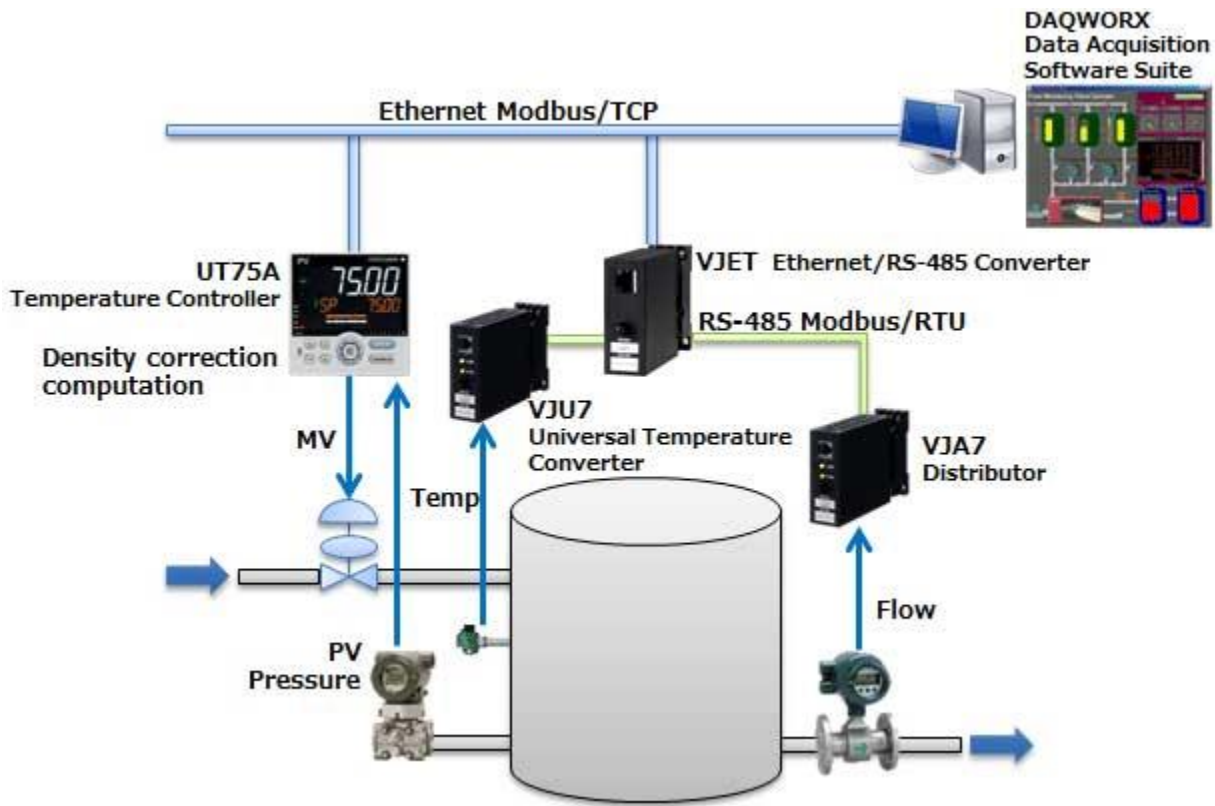
# Tank Level Control and Monitoring in Food Manufacturing Processes

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## Overview

With advances in process automation comes a greater need for level measurement and control. As pressure on at the bottom surface of a liquid is proportional to the height of the liquid's surface, you can measure pressure using a differential pressure transmitter to detect the level of the liquid, acquire the data on the UT75A Digital Indicating Controller, and use the measurements to control the tank level.

And by using the VJA7, VJU7, and VJET Signal Conditioners, you can monitor the UT75A's control status as well as temperature signal and flow with the DAQWORX Data Acquisition PC software.



## Products



**UT75A Advanced Temperature Controller**

### ▶ [UT75A Advanced Temperature Controller](#)

- Enhancing Productivity by Managing a Variety of Recipes
- Reducing Engineering Costs and Peripheral Devices
- Custom arithmetic expressions can be created using a ladder program
- 2-loop control with a single controller
- A variety of arithmetic instructions and large capacity ladder programs
- Advanced arithmetic instructions are available
- Universal input and output



**Compact Plug-in Type JUXTA VJ Series**

### ▶ [Compact Plug-in Type JUXTA VJ Series](#)

- Compact design for space saving
- Universal input
- Comes standard with 2 isolated current outputs (4–20 mA DC/4–20 mA DC)
- Globally compatible power supply (85–264 VAC/DC, 12–36 VDC)
- Standard withstand voltage of 2000 V
- Compliance with international safety standards
- High precision temperature converter ( $\pm 0.1\%$  of span)

### **VJET Ethernet/RS-485 Converter**

• [VJET Ethernet/RS-485 Converter](#)



- Up to 31 devices can be connected via Ethernet
- Connectivity with a variety of devices including signal conditioners, controllers, and power monitors.
- Polling of data from short-period-connected RS-485 communication devices.