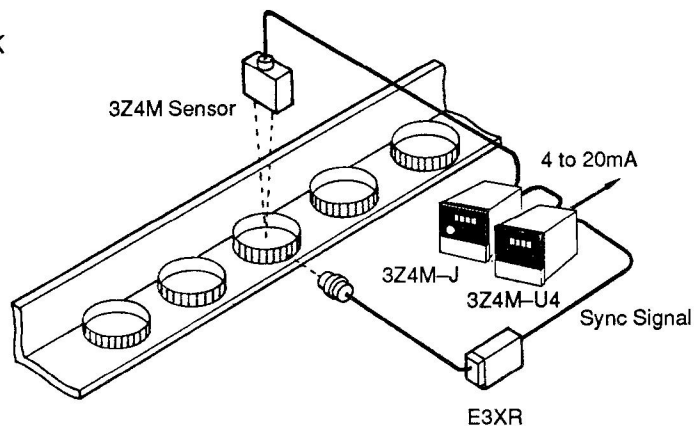
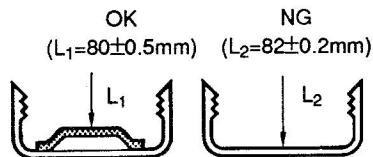


## Packaging/food/medicine

### 40 Bottle Cap Packing Presence Detection

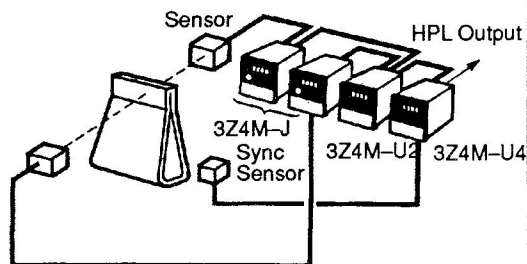
The variation in volume caused by the presence or absence of the cap's packing is used to determine OK or NG (no good). Measurement timing is taken from the photoelectric switch.



Laser Variation Meter: 3Z4M-J  
Arithmetical Unit: 3Z4M-U  
Fiber Optic Photoelectric Switch: E32/E3XR

### 41 Glue Presence Detection (medicine package)

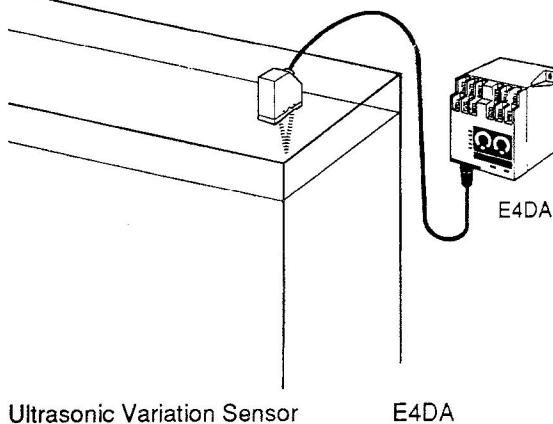
Two laser variation meters (set in the front of and the back the medicine package), and a multiplier are used to measure the thickness of the package. If there is no glue the package top's thickness is larger and a NG signal is output.



Detection Subject: Medicine Package  
Laser Variation Meter: 3Z4M-J  
Arithmetical Unit: 3Z4M-U

### 42 Ink, Resin and other Liquid Level Control

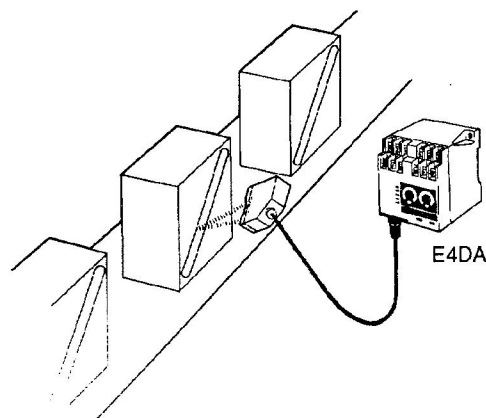
This sensor is not affected by the color of the liquid so it can be used for liquid level control of any liquid.



Ultrasonic Variation Sensor E4DA

### 43 Straw Detection

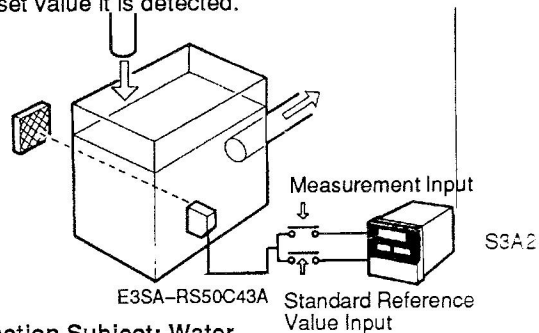
The presence of straw in a carton is detected. This detection is not affected by printing on the carton.



Ultrasonic Variation Sensor E4DA

### 44 Detection of Changes in Water Purity

Water purity is compared to a Standard Reference Value that has been written to the S3A2 controller. If the water purity value changes beyond a certain pre-set value it is detected.



Detection Subject: Water  
Analog Photoelectric Sensor E3SA  
Linear Sensor Controller S3A2