

# SÜDMO SENSOTOP

## SMART AND COST-EFFICIENT FEEDBACK UNIT

### PRODUCT INFORMATION



Shown above are process valves with proximity sensors equipped with finger protection guards. This solution for valve position feedback creates many challenges for plant operators.

### CHALLENGE

It is vital for food and beverage plant operators to know the position of valves at all times to ensure a reliable and smooth process flow. This type of position feedback sensor presents challenges including pinch hazards and the lack of visual valve position identification.

The most cost-efficient solution for achieving this is to use external proximity sensors. This type of position feedback is far from ideal due to safety risks, cleaning challenges and obstructed visibility.

To avoid the risk of trapping limbs during valve switching operations appropriate finger protection must be fitted around the moving parts. This type of structure may adversely affect visual identification of the valve position and require corresponding edges, gap and undercuts on the cover. This makes cleaning the external surfaces more difficult.

### BENEFITS

- Easy adaptation and fast commissioning
- Intuitive feedback position programming - no mechanical adjustments required
- Safe operation as all moving parts are enclosed
- Clear visibility of valve positions through a 360 degree LED
- Hygienic design with IP 65/67 meets water tight needs even when installed on tanks
- Only one cable required for all feedback positions

### SOLUTION

Pentair Südmemo's SensoTop Valve Position Feedback Unit was developed to meet this challenge. Using inductive magnetic coils the feedback fields for the individual valve positions are defined and programmed at the press of a button.

This provides significant time savings during assembly and commissioning.

The closed design of the SensoTop eliminates entrapment risks and ensures optimum cleaning of the external surfaces even when valves are installed below process tanks. Due to the all-around 360° LED display the valve position is always visible from any angle.



Pentair Südmemo SensoTop Valve Position Feedback Unit

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#### TECHNICAL SPECIFICATIONS

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##### Communication

Digital, PnP, 50 mA

##### Position Measuring System

Detection range 85 mm

Feedback 2 positions monitored

##### Electrical Connection

24 VDC Plug M12x1 (4-pin)

##### LED status display

Green Valve not activated

Yellow Valve activated

Red Default

##### Protection class

IP65 acc. DIN EN 60529

IP67 acc. DIN EN 60529

##### Ex-Zone

II 3 G Ex nR IIC T4 Gc (-10°C ≤ Ta ≤ +55°C)

II 3 D Ex tc IIIC T135°C Dc (-10°C ≤ Ta ≤ +55°C)



#### PENTAIR SÜDMO GMBH

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