

# SÜDMO SENSOTOP

## SMART AND COST-EFFICIENT FEEDBACK UNIT

### PRODUCT INFORMATION



*Process valves with proximity sensors and additional finger protection devices*

### CHALLENGE

To ensure a smooth and reliable process flow in production plants, it is vital for plant operators to be informed of the valve position of the process valves at all times. The decision on suitable automation technology is therefore very important. The most cost-efficient solution for achieving this is to use external proximity sensors. This type of position feedback sensor does however face the operator with certain challenges:

All risks of trapping limbs during valve switching operations must be excluded. To avoid this risk appropriate finger protection must be fitted on moving parts.

A structure of this type 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 programming of feedback positions - no mechanical adjustments required
- Safe operation by avoiding any accessible moving parts
- Clear visibility of valve positions through all around LED indication
- Hygienic design by avoiding edges and gaps - liquids to be drained even at upside down installation
- Only one cable for feedback of two valve positions required

### SOLUTION

Pentair Südmö's SensoTop Valve Position Feedback Unit is a further technical development 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 leads to a considerable time saving during assembly and commissioning.

The closed design of the SensoTop excludes all entrapment risks and ensures optimum cleaning of the external surfaces even for installation positions below process tanks. Due to the all around LED display the valve position is visible at all times from any angle.



*Pentair Südmö 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)



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