

# US18



**95B040000**

**US18-PA-5-N03-OH**  
ULTRASONIC SENSOR

## OVERVIEW

- Digital bipolar PNP/ NPN NO /NC configurable output model
- Digital and 0-10 V / 4-20 mA configurable analogue output model
- Operating range of 200 mm...8m
- Minimum resolution: 1 mm
- Analogue output Linearity: +/- 0.2% of span from 200 to 8000 mm; +/- 0.1% of span from 500 to 8000 mm (1 mm minimum)
- Minimum window size: 20mm
- Repeatability: 1 mm
- Hysteresis: 5 mm
- Response Time: 100 ms to 1600 ms
- DIP SWITCH selectable
- Access to bank of 8 DIP switches through sealed cover for superior user functionality
- Fast, easy-to-use REMOTE TEACH - Mode programming; no potentiometer adjustments
- Wide operating range of -20° to +70°C with compensation function
- Rugged encapsulated design for harsh environments
- Unique housing design allows for multiple mounting configurations
- Euro-style quick-disconnect fitting

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	300 mm
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Sensitivity adjustment

Teach-in

## Application

Description

M18 tubular - axial emission

Functions

Object detection/distance meas.

## Outputs

Output type

NPN / PNP

Response time

5,000

## Electrical data

Operating Voltage

10-30 VDC

Emission

300kHz

## Mechanical data

Dimensions

Ø18x91

Connections

M12

Material

Plastic - PE

## Generical Data

Dimensions

Ø18x91

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