

US18



95B040030

US18-PR-5-N03-IH
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
--------------------------	--------

Sensitivity adjustment	Teach-in
------------------------	----------

Application

Description	M18 tubular - lateral emission
Functions	Object detection/distance meas.

Outputs

Output type	4-20 mA
Response time	2,500

Electrical data

Operating Voltage	10-30 VDC
Emission	300kHz

Mechanical data

Dimensions	Ø18x95
Material	Plastic - PE
Connections	M12

Generical Data

Dimensions	Ø18x95
------------	--------

Datasensing S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411

date of printing

10/08/2026
00:48:05

Fax 059 253973
E-mail
info@datasensing.com