THE DATASHEET OF

SCN-1422SC

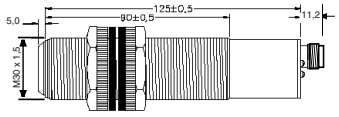
943 Series
Ultrasonic Distance Sensors

CE

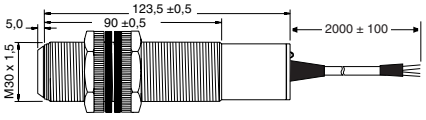
The new 943 series industrial sensors are the latest addition to our product range. They have improved scanning ranges, remote teach in of the switching or analog outputs, as well as new advanced features, such as window and hysteresis modes.

M30

CONNECTOR

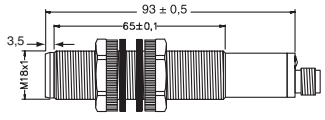


CABLE

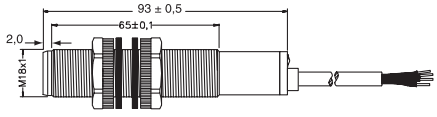


M18

CONNECTOR



CABLE



M18/M30

Termination:	Connector	M12 x 1
	Cable	Preleaded 2 m

WARNING

MISUSE OF DOCUMENTATION

- The information presented in this product sheet (or catalogue) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

OPTIONS AND ORDER GUIDE

2 switching outputs PNP NO and NPN NO

Beam angle:	8°
Supply voltage:	12 to 30 V
Sealing:	IP67

M30

Housing:	M30 x 1,5 mm plastic (PBTB)
Max. sensing distance:	3500 mm
Min. sensing distance:	300 mm
Switching frequency:	1.0 Hz
Repeatability:	0,2 % or 2 mm

OUTPUT	TERMINATION	REFERENCE
PNP, 2 NO/NC	Connector	943-T4V-2D-001-130E
PNP, 2 NO/NC	Cable	943-T4Y-2D-001-130E
NPN, 2 NO/NC	Connector	943-T4V-2D-002-130E
NPN, 2 NO/NC	Cable	943-T4Y-2D-002-130E

M18

Housing:	M18 x 1,0 mm plastic (PBTB)
Max. sensing distance:	2000 mm
Min. sensing distance:	200 mm
Switching frequency:	1.2 Hz
Repeatability:	0,2 % or 2 mm

OUTPUT	TERMINATION	REFERENCE
PNP, 2 NO/NC	Connector	943-F4V-2D-001-180E
PNP, 2 NO/NC	Cable	943-F4Y-2D-001-180E
NPN, 2 NO/NC	Connector	943-F4V-2D-002-180E
NPN, 2 NO/NC	Cable	943-F4Y-2D-002-180E

Max. sensing distance:	800 mm
Min. sensing distance:	100 mm
Switching frequency:	4.7 Hz
Repeatability:	0,2 % or 1 mm

OUTPUT	TERMINATION	REFERENCE
PNP, 2 NO/NC	Connector	943-F4V-2D-001-300E
PNP, 2 NO/NC	Cable	943-F4Y-2D-001-300E
NPN, 2 NO/NC	Connector	943-F4V-2D-002-300E
NPN, 2 NO/NC	Cable	943-F4Y-2D-002-300E

Max. sensing distance:	500 mm
Min. sensing distance:	60 mm
Switching frequency:	4.7 Hz
Repeatability:	0,2 % or 1 mm

OUTPUT	TERMINATION	REFERENCE
PNP, 2 NO/NC	Connector	943-F4V-2D-001-330E
PNP, 2 NO/NC	Cable	943-F4Y-2D-001-330E
NPN, 2 NO/NC	Connector	943-F4V-2D-002-330E
NPN, 2 NO/NC	Cable	943-F4Y-2D-002-330E

Analogue voltage output 0-10 V and 4-20 mA

Beam angle:	8°
Supply voltage:	15 to 30 V
Sealing:	IP67

M30

Housing:	M30 x 1,5 mm plastic (PBTB)
Max. sensing distance:	3500 mm
Min. sensing distance:	300 mm
Response time:	400 ms
Repeatability:	0,2 % or ±2 mm

OUTPUT	TERMINATION	REFERENCE
0-10 V	Connector	943-T4V-2D-1C0-130E
0-10 V	Cable	943-T4Y-2D-1C0-130E
4-10 mA	Connector	943-T4V-2D-1D0-130E
4-20 mA	Cable	943-T4Y-2D-1D0-130E

M18

Housing:	M18 x 1,0 mm plastic (PBTB)
Max. sensing distance:	2000 mm
Min. sensing distance:	200 mm
Switching frequency:	250 ms
Repeatability:	0,2 % or ±2 mm

OUTPUT	TERMINATION	REFERENCE
0-10 V	Connector	943-F4V-2D-1C0-180E
0-10 V	Cable	943-F4Y-2D-1C0-180E
4-10 mA	Connector	943-F4V-2D-1D0-180E
4-20 mA	Cable	943-F4Y-2D-1D0-180E

Max. sensing distance:	800 mm
Min. sensing distance:	100 mm
Switching frequency:	100 ms
Repeatability:	0,2 % or ±1 mm

OUTPUT	TERMINATION	REFERENCE
0-10 V	Connector	943-F4V-2D-1C0-300E
0-10 V	Cable	943-F4Y-2D-1C0-300E
4-10 mA	Connector	943-F4V-2D-1D0-300E
4-20 mA	Cable	943-F4Y-2D-1D0-300E

Max. sensing distance:	500 mm
Min. sensing distance:	60 mm
Switching frequency:	100 ms
Repeatability:	0,2 % or ±1 mm

OUTPUT	TERMINATION	REFERENCE
0-10 V	Connector	943-F4V-2D-1C0-330E
0-10 V	Cable	943-F4Y-2D-1C0-330E
4-10 mA	Connector	943-F4V-2D-1D0-330E
4-20 mA	Cable	943-F4Y-2D-1D0-330E

WARNING

PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

Warranty/Remedy

Honeywell warrants goods of its manufacture as being free of defective material and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during that period of coverage, Honeywell will repair or replace without charge those items it finds defective. **The foregoing is Buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.**

While we provide application assistance, personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change at any time without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

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Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorised Distributor, contact your local sales office or:

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