

<b>SmartScan50</b>	
Ultrasonic level measurement for challenging environment and ranges of up to 12m/39ft liquid, 8.5m/27ft solid. A two-part, 4-wire device. SmartScan50 is provided with a User Manual and Quick Reference Guide.	
<b>Main Application</b>	
Solid	S
Liquid	L
Open Channel / Flow	O
<b>Communication / Interface</b>	
(4-20mA always included)	
RS 232	A
RS 485	B
RS 485, Modbus RTU	C
RS 232, Modbus RTU	D
<b>Relays</b>	
5 SPDT	5
<b>Warranty</b>	
1 year	1
2 years	2
<b>Housing Type</b>	
IP65 (NEMA 4)	6
IP67 (NEMA 6)	7
<b>Mechanical Interface</b>	
Gland connection Pg9 (note 1)	G
Conduit connection 1/2" NPT	N
Conduit connection M20 / 1.5	B
<b>Mounts</b>	
Wall mount	8
Panel mount	9
<b>Power Supply</b>	
18 - 30 VDC 6W	Z
100 - 240 VAC 50/60Hz	A
<b>Approvals</b>	
General purposes: CE-EMC, FM-Safety	C
FM: Class I Division 2 Group A,B,C,D T4	E
Class II,III Division 2 Group F,G	
<b>Part Number:</b>	<b>S50- 5 - 6 7 8 9 Z A C E</b>

**Notes**  
(1) Pg9 is for general purpose use only.

## 50 KHz Sensors (unclassified)

For use with SmartScan50

### Ranges

Liquids / Open channel Flow

0.4 - 12m/1.3 - 39ft

Solids

0.4 - 8.5m/1.3 - 27ft

### Warranty (note 3)

Standard Range - 1 year

Standard Range - 2 years

### Transducer Housing and Threads

PP 1" BSP

PP 1" NPT

PVDF / Glass-Epoxy 1" BSP

PVDF / Glass-Epoxy 1" NPT

Fully Coated PVDF 1" BSP

Fully Coated PVDF 1" NPT

### Pre Cut Cables (note 1)

5m / 16.4ft

15m / 49.2ft

25m / 82ft

35m / 114.8ft

50m / 164ft

75m / 246ft

100m / 328ft

125m / 410.1ft

150m / 492.1ft

175m / 574.1ft

200m / 656.1ft

### Flexible Cables Length (note 2)

Up to 100m/328ft

100m/328ft to 200m/656ft

Price of cable per meter (see Accessories)

### Approvals

General purposes: CE-EMC, FM-Safety

**Part Number: SN5- X - - C**

### Notes

(1) Cable specifications are: Four-wire, 0.75 mm<sup>2</sup>, overall shielded.

(2) Cable specifications as in Note (1). This option is for a sensor-cable connector set (IP68) and is supplied with 5m/16.4' cable.

(3) Warranty time must be same as SmartScan50 warranty time.

## 50 KHz Sensors (classified)

For use with SmartScan50

### Ranges

Liquids / Open channel Flow

0.4 - 12m/1.3 - 39ft

Solids

0.4 - 8.5m/1.3 - 27ft

### Warranty (note 1)

Standard Range - 1 year

Standard Range - 2 years

### Transducer Housing and Threads

PP 1" BSP

PP 1" NPT

PVDF 1" BSP

PVDF 1" NPT

### Fixed length cables (note 2)

25m / 82ft

35m / 114.8ft

50m / 164ft

75m / 246ft

100m / 328ft

125m / 410.1ft

150m / 492.1ft

175m / 574.1ft

200m / 656.1ft

### Approvals

ATEX: EEx m IIC T4

FM: Class I Division 2 Group A,B,C,D,  
Class II,III Division 2 Group F,G

**Part Number: SN5- X - - N**

### Notes

(1) Warranty time must be same as SmartScan50 warranty time.

(2) Classified sensor cable can not be extended or cut.