### Overview

SITRANS LR250 is a 2-wire, 25 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in storage and process vessels including high temperature and pressure, to a range of 20 m (66 ft).

### Benefits

- Graphical local user interface (LUI) makes operation simple with plug-and-play setup using the intuitive Quick Start Wizard
- LUI displays echo profiles for diagnostic support
- 25 GHz high frequency allows for small antennas for easy mounting in nozzles
- Insensitive to mounting location and obstructions, and less sensitive to nozzle interference
- Short blanking distance for improved minimum measuring range to 50 mm (2 inch) from the end of the antenna
- Communication using HART, PROFIBUS PA, or FOUNDATION Fieldbus
- Process Intelligence signal processing for improved measurement reliability and Auto False-Echo Suppression of fixed obstructions
- Programming using infrared Intrinsically Safe handheld programmer or over a network using SIMATIC PDM, Emerson AMS, or Field Device Tools such as PACTware or Fieldcare via SITRANS DTM
- Functional Safety (SIL 2). Device suitable for use in accordance with IEC 61508 and IEC 61511
- 3 mm (0.118 inch) accuracy in accordance with IEC 60770-1
- Suitable for API 2350

### Application

SITRANS LR250 includes a graphical local user interface (LUI) that improves setup and operation by including an intuitive Quick Start Wizard, and echo profile displays for diagnostic support. Startup is easy using the Quick Start wizard with a few parameters required for basic operation.

The 25 GHz frequency creates a narrow, focused beam allowing for smaller horn antenna options and decreasing sensitivity to obstructions.

SITRANS LR250's unique design allows safe and simple programming using the Intrinsically Safe handheld programmer without saving to open the instrument's lid.

SITRANS LR250 measures superbly on low dielectric media, and in small vessels, as well as tall and narrow vessels.

- Key Applications: liquid bulk storage tanks, process vessels, vaporous liquids, high temperatures, low dielectric media and applications with functional safety requirements
## Technical specifications

### Mode of operation
- **Measuring principle:** Radar level measurement
- **Frequency:** K-band (25.0 GHz)
- **Minimum measuring range:** 50 mm (2 inch) from end of antenna
- **Maximum measuring range:** 20 m (65 ft), antenna dependent

### Output
- **HART**
  - Analog output: 4 ... 20 mA
  - Accuracy: ± 0.02 mA
  - Fail-safe: Programmable as high low or hold (loss of echo)
- **PROFIBUS PA**
  - Profile 3.01
- **FOUNDATION Fieldbus**
  - Functionality: Basic or LAS

### Performance (according to reference conditions IEC60770-1)
- **Maximum measured error:** 3 mm (0.118 inch)
- **Influence of ambient temperature:** < 0.003 %/K

### Rated operating conditions
- **Installation conditions**
  - **Location:** Indoor/outdoor
  - **Ambient conditions (enclosure)**
    - **Ambient temperature:** -40 ... +80 °C (-40 ... +176 °F)
    - **Pollution degree:** 4
  - **Pollution category:** I
- **Process conditions**
  - **Dielectric constant \( \varepsilon_r \):** > 1.6, antenna and application dependent
  - **Process temperature:** -40 ... +200 °C (-40 ... +392 °F) (at process connection with FKM O-ring)
  - **Process pressure:** Up to 40 bar g (580 psi g), process connection and temperature dependent.
  - **Display (local):** Graphic local user interface including quick start wizard and echo profile display

### Design
- **Enclosure**
  - Material:
    - Aluminum, polyester powder-coated
  - **Degree of protection:** Type 4X/NEMA 4X, Type 6/NEMA 6, IP67, IP68
  - **Weight:** < 3 kg (6.6 lb), 3.75 mm (1½ inch) threaded connection with 1½” horn antenna
- **Display (local):** Graphic local user interface including quick start wizard and echo profile display

### Power supply
- **4 ... 20 mA/HART**
- **PROFIBUS PA**
- **FOUNDATION Fieldbus**

### Certificates and approvals
- **General**
- **Radio**
- **Hazardous**
- **Increased Safety (Brazil)**
- **Intrinsically Safe (Brazil)**
- **Explosion Proof (Canada/USA)**
- **Intrinsically Safe (Canada/USA)**
- **Non-incendive (Canada/USA)**
- **Influence of ambient temperature:** < 0.003 %/K

### Medium conditions
- **Dielectric constant \( \varepsilon_r \):** > 1.6, antenna and application dependent
- **Process temperature:** -40 ... +200 °C (-40 ... +392 °F) (at process connection with FKM O-ring)
- **Process pressure:** Up to 40 bar g (580 psi g), process connection and temperature dependent.

### Process connections
- **Process connection**
- **Flange connection**

### Design
- **Enclosure**
  - Material:
    - Aluminum, polyester powder-coated
  - **Degree of protection:** Type 4X/NEMA 4X, Type 6/NEMA 6, IP67, IP68
  - **Weight:** < 3 kg (6.6 lb), 3.75 mm (1½ inch) threaded connection with 1½” horn antenna
  - **Display (local):** Graphic local user interface including quick start wizard and echo profile display
  - **Antenna**
    - **Material:** 316L stainless steel
    - **Dimensions (nominal horn sizes):** Standard 1.5 inch (40 mm), 2 inch (48 mm), 3 inch (75 mm), 4 inch (95 mm) horn, and optional 100 mm (4 inch) horn extension
  - **Process connections**
  - **Process connection**
  - **Flange connection**
## Programming

<table>
<thead>
<tr>
<th>Intrinsically Safe Siemens handheld programmer</th>
<th>Infrared receiver</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Approvals for handheld programmer</strong></td>
<td>IS model:</td>
</tr>
<tr>
<td></td>
<td>ATEX II 1 GD Ex ia IIC T4 Ga</td>
</tr>
<tr>
<td></td>
<td>Ex ia D 20 T135 °C Ta = -20 ... +50 °C</td>
</tr>
<tr>
<td></td>
<td>CSA/FM Class I, II, II$\text{I}$, Div. 1, Groups A, B, C, D, E, F, G, T6 Ta = +50 °C</td>
</tr>
<tr>
<td></td>
<td>IECEx SIR 09.0073</td>
</tr>
</tbody>
</table>

- Handheld communicator
  - HART communicator 375/475
- PC
  - SIMATIC PDM
  - Emerson AMS
  - SITRANS DTM (for connection into FDT such as PACTware or Field-care)
- Display (local)
  - Graphic local user interface including quick start wizard and echo profile displays

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**Level Measurement**

Continuous level measurement

Radar transmitters

**SITRANS LR250 Horn Antenna**

### Selection and Ordering data

<table>
<thead>
<tr>
<th>Article No.</th>
<th>SITRANS LR250 horn antenna</th>
</tr>
</thead>
<tbody>
<tr>
<td>7ML5431-7770-0-777</td>
<td>2-wire, 25 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in storage and process vessels including high temperature and pressure, to a range of 20 m (66 ft) (antenna dependent). Ideal for small vessels and low dielectric media.</td>
</tr>
</tbody>
</table>

**Process Connection and Antenna Material**

- 316L (1.4435 or 1.4404) stainless steel, PTFE emitter, FKM seal
- Hastelloy C-22/2.4602 (or equivalent), PTFE emitter, FFMK seal

**Process Connection Type**

<table>
<thead>
<tr>
<th>Threaded connection 316L</th>
<th>R 1½” [(BSP), EN 10226-1] (tapered thread)</th>
<th>G 1½” [(BSPP), EN ISO 228-1] (parallel thread)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” NPT (ASME B1.20.1) (tapered thread)</td>
<td>A</td>
<td>AC</td>
</tr>
<tr>
<td>2” [BSPP], EN ISO 228-1 (parallel thread)</td>
<td>D</td>
<td>AF</td>
</tr>
<tr>
<td>3” NPT (ASME B1.20.1) (tapered thread)</td>
<td>G</td>
<td>AH</td>
</tr>
<tr>
<td>3” [BSPP], EN ISO 228-1 (parallel thread)</td>
<td>J</td>
<td>AJ</td>
</tr>
</tbody>
</table>

**Communication/Output**

- PROFIBUS PA
- 4 ... 20 mA, HART, start-up at < 3.6 mA
- FOUNDATION Fieldbus

**Enclosure/Cable inlet**

- Aluminum, Epoxy painted
- 2 x ½” NPT
- 2 x M20 x 1.5

**Antenna**

- 1½” horn
- 2” horn (fits 2” ASME or DN 50 nozzles)
- 3” horn (fits 3” ASME or DN 80 nozzles)
- 4” horn (fits 4” ASME or DN 100 nozzles)
- 1½” horn with 100 mm extension
- 2” horn with 100 mm extension
- 3” horn with 100 mm extension
- 4” horn with 100 mm extension
- Hastelloy C22 (or equivalent)
- 2” horn (fits 2” ASME or DN 50 nozzles)
- 3” horn (fits 3” ASME or DN 80 nozzles)
- 4” horn (fits 4” ASME or DN 100 nozzles)
- 2” horn (fits 2” ASME or DN 50 nozzles) with 100 mm extension
- 3” horn (fits 3” ASME or DN 80 nozzles) with 100 mm extension
- 4” horn (fits 4” ASME or DN 100 nozzles) with 100 mm extension
### Selection and Ordering data

<table>
<thead>
<tr>
<th>SITRANS LR250 horn antenna</th>
<th>Article No.</th>
<th>7ML5431-777-0-777</th>
</tr>
</thead>
</table>

2-wire, 25 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in storage and process vessels including high temperature and pressure, to a range of 20 m (66 ft) (antenna dependent). Ideal for small vessels and low dielectric media.

#### Approvals

- General Purpose, CE, CSA, FM, FCC, RED, RCM
- Intrinsically Safe: IECEx/ATEX II 1 G Ex ia IIC T4 Ga, IECEx/ATEX II 1D Ex ia ta IIIIC T100 °C Da, INMETRO Ex ia IIC T4 Ga, Ex ia ta IIIIC T100 °C Da, CE, RED, RCM
- Non Sparking: ATEX II 3G Ex nA IIC T4 Gc, CE, RED, RCM
- Increased Safety: IECEx/ATEX II 1/2 GD, 1D, 2D Ex e mb ia IIC T4 Ga/Gb, Ex ia ta IIIIC T100 °C Da, INMETRO Ex e ia mb IIC T4 Ga/Gb, Ex ia ta IIIIC T100 °C Da, CE, RED, RCM
- Flameproof: IECEx/ATEX II 1/2 GD 1D, 2D Ex d mb ia IIC T4 Ga/Gb, Ex ia ta IIIIC T100 °C Da, INMETRO Ex d ia mb IIC T4 Ga/Gb, Ex ia ta IIIIC T100 °C Da, CE, RED, RCM
- Non Sparking: NEPSI Ex nA IIC T4 Gc
- Intrinsically Safe: NEPSI Ex ia IIC T4 Ga, Ex iaD ta A20 IP67 T100 °C
- Flameproof: NEPSI Ex d ia mb IIC T4 Ga/Gb, Ex iaD ta A20 IP67 T100 °C
- Increased Safety: NEPSI Ex ia mb IIC T4 Ga/Gb, Ex iaD ta A20 IP67 T100 °C

#### Pressure rating

Rating per Pressure/Temperature curves in manual
0.5 bar g (7.25 psi g) maximum

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1) Available with process connection options AA ... HD and Antenna Versions A ... H only
2) Available with process connection options JA ... MH and Antenna Versions J ... P only
3) Not available with Antenna options B, C, D, F, G, H.
4) Not available with Antenna options A and E.
5) Available with Approval options A, B, C, D, K, and L
6) Available only with Communications option 2.
7) Available with Process Connection and Antenna Material 0, 1, 2, and 3 only
Level Measurement
Continuous level measurement
Radar transmitters

SITRANS LR250 Horn Antenna

<table>
<thead>
<tr>
<th>Selection and Ordering data</th>
<th>Order code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Further designs</td>
<td></td>
</tr>
<tr>
<td>Please add &quot;-Z&quot; to Article No. and specify Order code(s).</td>
<td></td>
</tr>
<tr>
<td>Plug M12 with mating Connector(^1)(^2)(^3)</td>
<td>A50</td>
</tr>
<tr>
<td>Plug 7/8&quot; with mating Connector(^4)(^5)</td>
<td>A55</td>
</tr>
<tr>
<td>Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]; Measuring-point number/identification (max. 27 characters); specify in plain text</td>
<td>Y15</td>
</tr>
<tr>
<td>Manufacturer’s Test Certificate: M to DIN 55350, Part 18 and to ISO 9000</td>
<td>C11</td>
</tr>
<tr>
<td>Material inspection certificate 3.1 of EN 10204</td>
<td>C12</td>
</tr>
<tr>
<td>Functional Safety (SIL 2). Device suitable for use in accordance with IEC 61508 and IEC 61511(^6)</td>
<td>C20</td>
</tr>
<tr>
<td>Namur NE43 compliant, device preset to failsafe &lt; 3.6 mA(^7)</td>
<td>N05</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operating instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>All literature is available to download for free, in a range of languages, at <a href="http://www.siemens.com/processinstrumentation/documentation">http://www.siemens.com/processinstrumentation/documentation</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Selection and Ordering data</th>
<th>Article No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessories</td>
<td></td>
</tr>
<tr>
<td>Handheld programmer, Intrinsically safe, EEx ia HART modem/USB (for use with a PC and SIMATIC PDM)</td>
<td>7ML1930-1BK</td>
</tr>
<tr>
<td>One metallic cable gland M20 x 1.5, rated -40 ... +80 °C (-40 ... +176 °F), HART (two are required)</td>
<td>7ML1930-1AP</td>
</tr>
<tr>
<td>One metallic cable gland M20 x 1.5, rated -40 ... +80 °C (-40 ... +176 °F), PROFIBUS PA and FOUNDATION Fieldbus (two are required)</td>
<td>7ML1930-1AQ</td>
</tr>
<tr>
<td>FDA approved FKM O-ring for 2&quot; G (BSPP) process connections -28 ... +80 °C (-28 ... +176 °F)</td>
<td>7ML1830-3AN</td>
</tr>
</tbody>
</table>
| SITRANS RD100, loop powered display - see Chapter 7 | 7ML5741- ...
| SITRANS RD200, universal input display with Modbus conversion - see Chapter 7 | 7ML5740- ...
| SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7 | 7ML5744- ...
| SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7 | 7ML5750- ...

1) Available with enclosure option 1 only
2) To be used with communication options 1 and 3 only. Connector has IP67 rating.
3) Available with approval options A and B. Available with approval option C for use on intrinsically safe applications only. Not rated for dust Ex.
4) Available with enclosure option 0 only
5) Applicable to communication option 2 only
6) For use with communication options 1 and 3 only
Characteristic curves

Maximum flange and process temperatures versus allowable ambient temperature

SITRANS LR250 ambient/process flange surface temperature curve
Level Measurement
Continuous level measurement
Radar transmitters
SITRANS LR250 Horn Antenna

Dimensional drawings

Threaded Horn Antenna

<table>
<thead>
<tr>
<th>Antenna Type</th>
<th>Antenna O.D.</th>
<th>Height to sensor reference point</th>
<th>Beam angle</th>
<th>Measurement range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1-1/2&quot; threaded connection</td>
<td>2&quot; threaded connection</td>
<td>3&quot; threaded connection</td>
</tr>
<tr>
<td>1.5&quot; horn</td>
<td>39.8 (1.57)</td>
<td>135 (5.3)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2&quot; horn</td>
<td>47.8 (1.88)</td>
<td>N/A</td>
<td>166 (6.55)</td>
<td>180 (7.09)</td>
</tr>
<tr>
<td>3&quot; horn</td>
<td>74.8 (2.94)</td>
<td>N/A</td>
<td>199 (7.85)</td>
<td>213 (8.39)</td>
</tr>
<tr>
<td>4&quot; horn</td>
<td>94.8 (3.73)</td>
<td>N/A</td>
<td>254 (10)</td>
<td>268 (10.55)</td>
</tr>
</tbody>
</table>

*28 mm (1.1) for 1.5 inch and 2 inch, 42 mm (1.65) for 3 inch

SITRANS LR250 Threaded Horn Antenna, dimensions in mm (inch)
### SITRANS LR250 Horn Antenna with Extension

#### Dimensions

- **Antenna O.D.**
  - 1-1/2" threaded connection: 235 (9.3) mm
  - 2" threaded connection: 266 (10.47) mm
  - 3" threaded connection: 299 (11.77) mm
- **Beam angle**
  - 19 degrees for 1.5" horn
  - 15 degrees for 2" horn
  - 10 degrees for 3" horn
  - 8 degrees for 4" horn
- **Measurement range**
  - 10 m (32.8 ft) for 1.5" horn
  - 20 m (65.6 ft) for 2" horn
  - 20 m (65.6 ft) for 3" horn
  - 20 m (65.6 ft) for 4" horn

#### Notes

- **Sensor reference point**
- **Enclosure/electronics**
- **Retaining collar**
- **Process device tag**
- **Horn**

*28 mm (1.1) for 1.5 inch and 2 inch, 42 mm (1.65) for 3 inch
Level Measurement
Continuous level measurement
Radar transmitters

SITRANS LR250 Horn Antenna

<table>
<thead>
<tr>
<th>Nominal Horn Size</th>
<th>Horn O.D.</th>
<th>Height to sensor reference point</th>
<th>Beam angle</th>
<th>Measurement range</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 (2) nominal</td>
<td>47.8 (1.88)</td>
<td>Stainless steel flange raised or flat-faced</td>
<td>135.3 (5.32)</td>
<td>15 degrees</td>
</tr>
<tr>
<td>80 (3) nominal</td>
<td>74.8 (2.94)</td>
<td>Optional alloy flange</td>
<td>138.3 (5.44)</td>
<td>10 degrees</td>
</tr>
<tr>
<td>100 (4) nominal</td>
<td>94.8 (3.73)</td>
<td>168.3 (6.62)</td>
<td>171.3 (6.74)</td>
<td>8 degrees</td>
</tr>
</tbody>
</table>

SITRANS LR250 Flanged Horn Antenna, dimensions in mm (inch)
SITRANS LR250 Flanged Horn Antenna with extension, dimensions in mm (inch)
Circuit diagrams

Notes:
1. DC terminal shall be supplied from a source providing electrical isolation between the input and output, to meet the applicable safety requirements of IEC 61010-1.
2. All field wiring must have insulation suitable for rated input voltages.
3. Use shielded twisted pair cable (14 ... 22 AWG) for HART version.
4. Separate cables and conduit may be required to conform to standard instrumentation wiring practices or electrical codes.

SITRANS LR250 connections
## Selection and ordering data

### SITRANS LR250 Specials

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5E01156836</td>
<td>SITRANS LR250 horn version enclosure with board stack, NPT cable inlet, approval option A, with PROFIBUS PA communication, no process connection</td>
</tr>
<tr>
<td>A5E01156838</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option A, with PROFIBUS PA communication, no process connection</td>
</tr>
<tr>
<td>A5E01156841</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option B, with PROFIBUS PA communication, no process connection</td>
</tr>
<tr>
<td>A5E01156843</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option C, with PROFIBUS PA communication, no process connection</td>
</tr>
<tr>
<td>A5E01156844</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option C, with PROFIBUS communication, no process connection</td>
</tr>
<tr>
<td>A5E01156846</td>
<td>SITRANS LR250 horn version enclosure with board stack, NPT cable inlet, approval option D, with PROFIBUS communication, no process connection</td>
</tr>
<tr>
<td>A5E01156848</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option D, with PROFIBUS communication, no process connection</td>
</tr>
</tbody>
</table>

### SITRANS LR250 horn version enclosures (PROFIBUS PA models)

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5E02956317</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option A, with HART communication start-up at &lt; 3.6 mA, no process connection</td>
</tr>
<tr>
<td>A5E02956319</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option C, with HART communication start-up at &lt; 3.6 mA, no process connection</td>
</tr>
<tr>
<td>A5E02956320</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option E, with HART communication start-up at &lt; 3.6 mA, no process connection</td>
</tr>
<tr>
<td>A5E02956322</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option F, with HART communication start-up at &lt; 3.6 mA, no process connection</td>
</tr>
<tr>
<td>A5E03441096</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option G, with HART communication start-up at &lt; 3.6 mA, no process connection</td>
</tr>
<tr>
<td>A5E03441097</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option H, with HART communication start-up at &lt; 3.6 mA, no process connection</td>
</tr>
<tr>
<td>A5E03441099</td>
<td>SITRANS LR250 horn version enclosure with board stack, NPT cable inlet, approval option A, with HART communication start-up at &lt; 3.6 mA, no process connection</td>
</tr>
</tbody>
</table>

### SITRANS LR250 horn version enclosures (FOUNDATION Fieldbus models)

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5E03769538</td>
<td>SITRANS LR250 enclosure with board stack, NPT cable inlet, approval option B, with FOUNDATION Fieldbus communication, no process connection</td>
</tr>
<tr>
<td>A5E03769539</td>
<td>SITRANS LR250 enclosure with board stack, NPT cable inlet, approval option D, with FOUNDATION Fieldbus communication, no process connection</td>
</tr>
<tr>
<td>A5E03769543</td>
<td>SITRANS LR250 enclosure with board stack, M20 cable inlet, approval option E, with FOUNDATION Fieldbus communication, no process connection</td>
</tr>
<tr>
<td>A5E02654608</td>
<td>SITRANS LR250 horn version enclosure with board stack, NPT cable inlet, approval option A, with FOUNDATION Fieldbus communication, no process connection</td>
</tr>
<tr>
<td>A5E02653792</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option A, with FOUNDATION Fieldbus communication, no process connection</td>
</tr>
<tr>
<td>A5E02653793</td>
<td>SITRANS LR250 horn version enclosure with board stack, M20 cable inlet, approval option A, with FOUNDATION Fieldbus communication, no process connection</td>
</tr>
</tbody>
</table>
# Level Measurement
Continuous level measurement
Radar transmitters

## SITRANS LR250 Specials

<table>
<thead>
<tr>
<th>Description</th>
<th>Article No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun shield for SITRANS LR250 enclosure, stainless steel</td>
<td>A5E39142556</td>
</tr>
<tr>
<td>SITRANS LR250 horn antenna and extension kits</td>
<td></td>
</tr>
<tr>
<td>38 mm (1.5 inch) horn antenna kit</td>
<td>A5E01151539</td>
</tr>
<tr>
<td>100 mm (4 inch) horn antenna extension kit, 1.5&quot; process connections only</td>
<td>A5E01151553</td>
</tr>
<tr>
<td>50 mm (2 inch) stainless steel 316L horn antenna kit</td>
<td>A5E01151569</td>
</tr>
<tr>
<td>75 mm (3 inch) stainless steel 316L horn antenna kit</td>
<td>A5E01151571</td>
</tr>
<tr>
<td>100 mm (4 inch) stainless steel 316L horn antenna kit</td>
<td>A5E01151573</td>
</tr>
<tr>
<td>100 mm (4 inch) horn antenna extension kit, 50 mm (2 inch), 75 mm (3 inch), and 100 mm (4 inch) process connection</td>
<td>A5E01151577</td>
</tr>
<tr>
<td>50 mm (2 inch) horn antenna kit, Hastelloy C-22</td>
<td>A5E01151584</td>
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<td>75 mm (3 inch) horn antenna kit, Hastelloy C-22</td>
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<td>100 mm (4 inch) horn antenna kit, Hastelloy C-22</td>
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<td>5 Dupont 1Gr Polypack, PTFE grease kit</td>
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<td>SITRANS LR250 lid with O-ring</td>
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<td><strong>Ex-proof plugs</strong></td>
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