



EL3600 Pressure Transmitter

Description

The EL3600 is a combined pressure sensor and transmitter which is designed for general and industrial use. It has a 2-wire 4-20 mA current loop, and a 1½" ASME BPE sanitary clamp connection

Available ranges (bar g)

| | | | | | | |
|-------|-----|-------|-------|-----|-----|------|
| 0-0.6 | 0-1 | 0-1.6 | 0-2.5 | 0-4 | 0-6 | 0-10 |
|-------|-----|-------|-------|-----|-----|------|

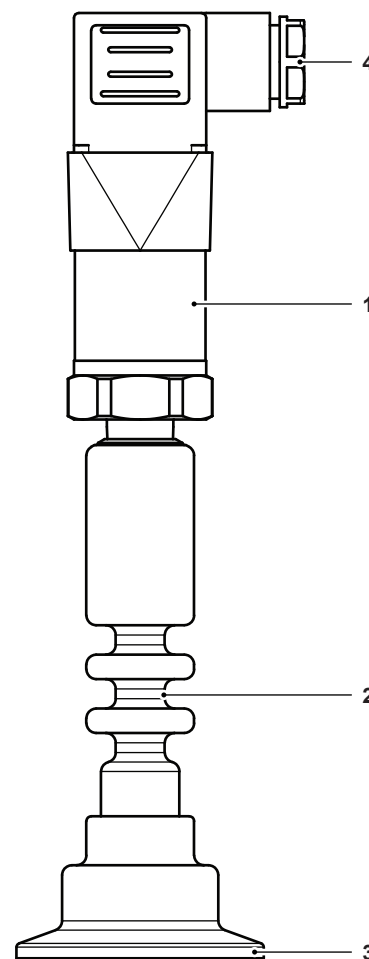
Pressure/temperature limits

| | Calibrated pressure range | Overpressure P max (bar g) | Maximum operating temperature Saturated steam (°C) |
|-----------------|---------------------------|----------------------------|--|
| Pressure limits | 0-0.6 | 1.8 | 113.6 |
| | 0-1 | 3 | 120.4 |
| | 0-1.6 | 4.8 | 129 |
| | 0-2.5 | 7.5 | 139 |
| | 0-4 | 12 | 152 |
| | 0-6 | 13.79 | 165 |
| | 0-10 | 13.79 | 184 |
| Temperature | -30 °C (ambient) | | |
| | 100 °C (ambient) | | |

Note: High pressure 'spikes' above maximum overpressure, even of very short (milli-seconds) duration, could damage sensors. Alternatively, a higher range pressure transmitter could be used, though this would mean some loss of signal resolution.

Materials

| No. | Part | Material | |
|---|---------------------------|-----------------|--------|
| 1 | Pressure transmitter case | Stainless steel | 1.4571 |
| 2 | Cooling element | Stainless steel | 1.4571 |
| 3 | Diaphragm seal | Stainless steel | 1.4435 |
| | Diaphragm | Stainless steel | 1.4435 |
| 4 | Electrical connector | BPT/PET | GF30 |
| Pressure transmitter wetted parts (not shown) | | Stainless steel | 1.4404 |



Certification

Designed, manufactured and approved for Steam and Condensate applications, the EL3600 product complies with:

- (EC)1935:2004 Materials and Articles Intended to come into Contact with Food
- (EC)2023:2006 Good Manufacturing Practice for Materials and Articles Intended to come into Contact with Food
- (EU)10/2011 Plastic Materials and Articles Intended to come into Contact with Food
- FDA Code of Federal Regulations - title 21 - Food and Drugs
- GB4806 Chinese National Food Safety Standards

This product is intended to be connected into a system that can operate a food contact compliant process.

A list of the materials that could come directly or indirectly into contact with foodstuffs can be found in the Declaration of Compliance available for this product.

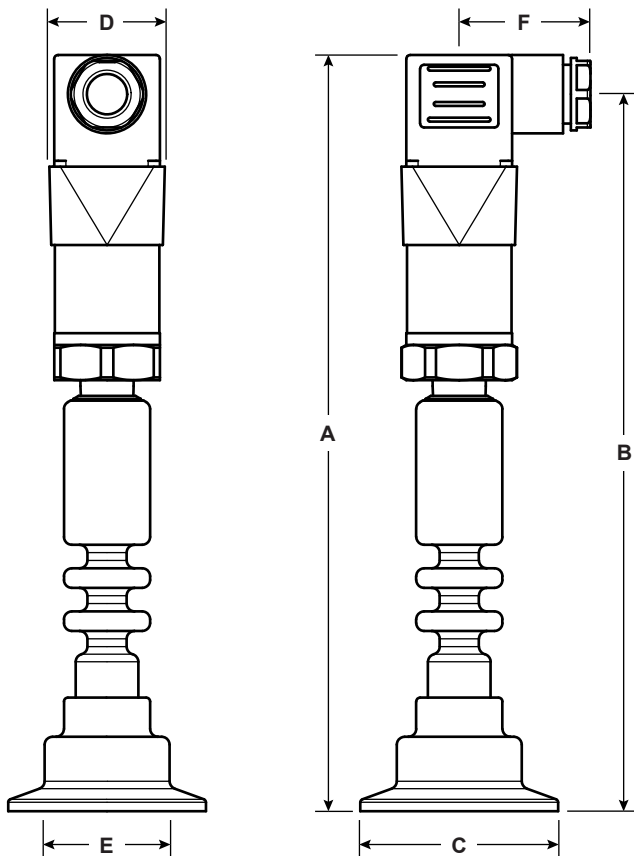
Technical data

| | |
|-------------------|-----------------------|
| Supply voltage | 10 Vdc to 30 Vdc |
| Accuracy | <0.25% of span |
| Non-repeatability | < +/- 0.1% of span |
| Hysteresis | < 0.1% of span >80 °C |
| Protection rating | IP65 |

Approvals

| | |
|---------------|---|
| EMC emissions | 2004/108/EC, EN 61 326 Emission (Group 1, Class B) |
| EMC | 2004/108/EC, EN 61 326 Emission (Group 1, Class B) susceptibility and Immunity (industrial locations) |

Dimensions/weights (approximate) in mm and g



| A | B | C | D | E | F | Weight |
|-----|-----|--------|------|--------|------|--------|
| 193 | 183 | ∅ 50.5 | 29.5 | ∅ 31.9 | 33.5 | 550g |

Safety information, installation and maintenance

This document does not contain sufficient information to install the product safely. See the Installation and Maintenance Instructions supplied with the product.

Safety note

Please refer to IM-P786-02 section 1 for safety information.

Maintenance note

No specific maintenance is required, but we recommend inspection and re-calibration of the transmitter once a year.

How to order

Example: 1 - Spirax Sarco EL3600 pressure transmitter, range 0 - 10 bar g.