

## GX Series - Continuous Position Sensors **GX-[STROKE]-[CABLE]**

**Available Strokes (mm):** 32, 64, 96, 128, 160, 192, 224, 256

**Cable Options:** (1) 2 m long with wire leads, (2) 0.3 m long with M8 connector

These solid-state sensors output a signal that is proportional to the position of the piston relative to the taught end points. GX series sensors are compatible with Airpel and Airpel Plus pneumatic cylinders configured with magnets and track(s).



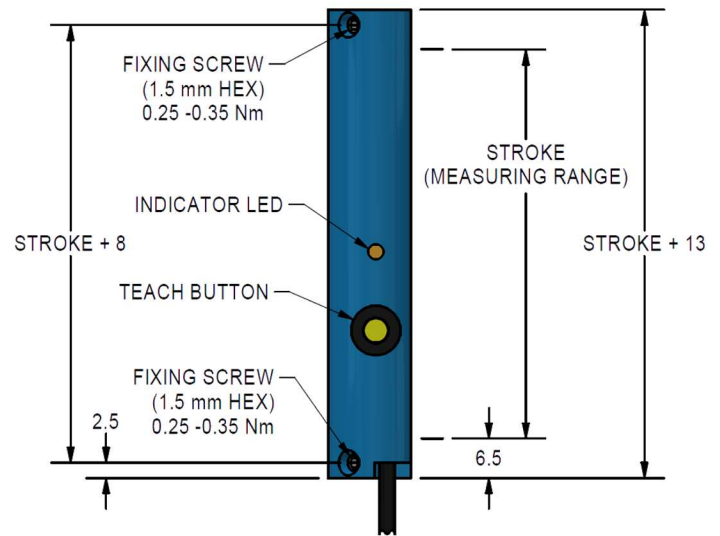
### Teaching Instructions

1. Press and hold the teach button for at least 2 seconds
2. Release the button to teach the start-of-stroke position
3. Press the teach button to teach the end-of-stroke position

### Specifications

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Supply Voltage                   | 15-30 V DC                                 |
| Electrical wiring                | DC 4-wire                                  |
| Output Function                  | Analog                                     |
| Analog Output (voltage)          | 0 to 10 V                                  |
| Analog Output (current)          | 4 to 20 mA                                 |
| Ambient Operating Temperature    | -20 °C to +70 °C                           |
| Resolution, typical              | 0.03 % Full Scale<br>(max. $\geq 0.05$ mm) |
| Measurement Range Tolerance      | $\pm 1$ mm                                 |
| Linearity error, typical         | 0.3 mm                                     |
| Repeat Accuracy, typical         | 0.06 % Full Scale                          |
| Sampling Rate, typical           | 1 ms                                       |
| Enclosure Rating                 | IP67*                                      |
| Power Consumption (without load) | 22 mA                                      |
| Protection Class                 | III                                        |
| Reverse Polarity Protection      | Yes                                        |
| Short Circuit Protection         | Yes                                        |
| Shock and Vibration Resistance   | 30 g, 11 ms / 10-55 Hz, 1 mm               |
| EMC spec                         | According to EN 60947-5-2                  |
| Housing Material                 | Plastic                                    |
| Cable Material                   | PUR                                        |

\*According to EN 60529



### Wiring Diagram

