ASSET MONITORING

# enLink Status-DP

## LoRaWAN Differential Pressure Sensor

**Synetica's enLink Status-DP, LoRaWAN Differential Pressure Sensor measures differential pressure with industry leading accuracy ensuring building managers are quickly alerted to system malfunctions.**

The monitor is a vital tool in areas where the need to monitor differential pressure is paramount, such as hospital operating rooms, agri-tech facilities and laboratory, industry and pharmaceutical clean rooms and fume hoods. The enLink Status-DP can also help to reduce energy consumption by monitoring HVAC equipment for errors or system inefficiencies.

The enLink Status-DP transmits data using long range LoRa wireless which easily integrates with cloud services or on-site systems via Modbus IP to ensure users are kept up to date with operational performance and to generate alerts when necessary.

### Applications

- Commercial
- Energy
- Infrastructure
- Pharma
- Healthcare
- Laboratory

### Key Features

- Supplied with duct fixing kit, 2m tube and pitot probes
- Differential pressure range: 0 to ±5,000Pa 4 x auto-selected pressure ranges
- Simple, quick installation
- Easy configuration via USB / LoRa downlink
- LoRa™ wireless, up to 16km range
- Battery life 3+ years*
- Signal and battery indicator

**Battery life depends on configuration, data rate and environment*

# **enLink Status-DP** – LoRaWAN Differential Pressure Sensor

Established in 2008, the engineering team at Synetica have many years experience in monitoring and analysing critical environmental information for the facilities management, commercial and industrial sectors.

The enLink Status-DP is suitable for a variety of applications including differential pressure monitoring in public buildings and industrial plants. When fitted together with Synetica's enLink Status AF the combination of both systems allow building managers to accurately and continuously measure both air velocity and differential pressure providing invaluable information for HVAC and critical air flow systems.

All our UK manufactured systems incorporate LoRaWAN long range wireless technology so that data can be easily transmitted for analysis. Battery powered versions offer rapid low-cost deployment with the freedom to position monitors for optimal sensing.

If you have a specific requirement for an air, environmental, energy or asset monitoring solution, contact us to learn more about how our precision monitoring technologies could help.

## Sensor Characteristics

**Range: 0 to ±5,000 Pa**

**4 calibrated pressure ranges with automatic ranging**

**Auto-selected pressure ranges:**
**±625 Pa, ±1,250 Pa, ±2,500 Pa, ±5,000 Pa**

**High accuracy: within ±0.1% of auto-selected range**

**Selectable bandwidth filter**

**Total error band < 0.15% FSS**

**Exceptional zero stability**

**Integrated 50/60Hz filter**

**Temperature compensated**

**UKCA, CE, FCC compliant**

**Dimensions: 129mm x 67mm x 41mm**

**Enclosure IP rating: Standard IP40 / NEMA 1**
**With optional gasket IP67 / NEMA 4**

## About us

Synetica was established in 2008 with the simple idea to revolutionise air quality monitoring, energy usage and remote asset monitoring. Our global customer base relies on our expertise to help them reduce emissions and clean up the air they breathe by allowing them to monitor their energy usage and key environmental parameters via the touch of a button.

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