

## DU700 Detector Diagnostic Unit

### Product Description

The DU700 is a hands-free low energy Bluetooth diagnostic unit that is compatible with the 7 Series parking detectors. It provides installation/service personnel with feedback from the detector loop installation and the detector configuration setup. This information is used to verify that a parking detector installation is working correctly.

The DU700 attaches to the front of any of the 7 Series parking detectors and acquires data from the detector via an optic link. The Nortech DU Diagnostics App supplied free for iOS or Android based smart devices is used to communicate with the DU700 and display the acquired data.

Data acquired from the detector is sent via the Bluetooth link to the App running on the smart device, which then displays information such as: loop excitation frequency, loop frequency drift, minimum and maximum level detection, and detector DIP switch configuration. The App is also able to generate a report that can be used to formally sign off a site or be sent for expert analysis where a fault is suspected.



### Features

- ▶ Compact, hands-free Bluetooth device
- ▶ A complete installation report generated for site sign off
- ▶ Performance checks on loop and installation
- ▶ Compatible with all PDx7x Parking detectors
- ▶ Operating range of up to 17m

### Benefits

- ▶ Loop detector setup and loop fault analysis using a smartphone avoids the difficulties of access and poor visibility of fault condition displays, increasing accuracy and reducing time and cost
- ▶ Convenient recording and display of settings and measurement data improves fault diagnosis and avoids erroneous data records
- ▶ Timely identification of the causes of spurious failures during operation reduces down time and improves service personnel efficiency

### Specifications

Power Supply:	1 X 3 V, 240 mAh coin cell battery (CR2032)
Auto Power Off:	2 Minutes after last operation
Visual Indications:	1 X bi-colour LED (Red and Green)
Frequency Resolution:	1 Hz
Sensitivity Resolution:	0.001 % $\Delta$ L/L
Operating Systems:	iOS and Android
Storage Temperature:	-20°C to +80°C
Operating Temperatures:	-5°C to +80°C
Dimensions (mm):	54 x 38 x 23 (h x w x d)
Battery Life (Standby):	≥ 1250 days
Battery Life (Continuous):	≥ 17 hours
Operating Range:	≤ 17 m

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### Example Screens



### Ordering Information

**DU700:** PDx7x DIAGNOSTIC UNIT

### Compatible Loop Detectors

**PD172:** Enhanced Single Channel Detector, 230V AC

**PD272:** Enhanced Dual Channel Detector, 230V AC

**PD174:** Enhanced Single Channel Detector, 12-24V AC/DC

**PD274:** Enhanced Dual Channel Detector, 12-24V AC/DC