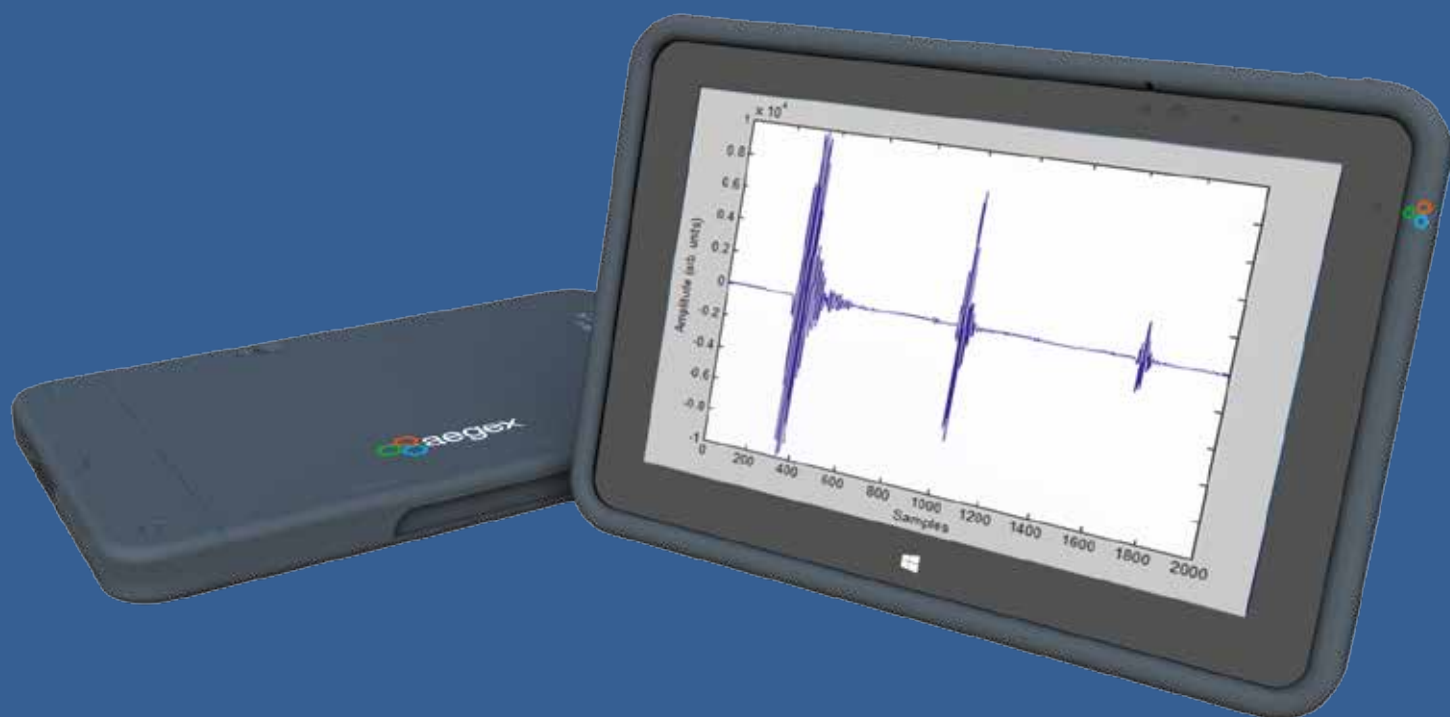


PipeMonit® Swarm®
– Real-time erosion and
corrosion monitoring

PDL – Portable Data Logger



PipeMonit® Portable Data Logger (PDL and PDL Ex)

PRODUCT SPECIFICATIONS

| TECHNICAL DATA | PORTABLE DATA LOGGER - PDL | PORTABLE DATA LOGGER EX - PDL EX |
|--------------------------|--|--|
| Output data | Wall thickness data, corrosion/erosion rates, raw signals, temperature | Wall thickness data, corrosion/erosion rates, raw signals, temperature |
| Operating temperature | -21°C to 50°C / -5.8°F to 122°F | -10°C to 50°C/ 14°F to 122°F |
| Storage temperature | -40°C to 71°C / -40°F to 160°F | -10°C to 50°C/ 14°F to 122°F |
| Humidity | 95% RH, non-condensing | IP 65, MIL-STD-810G |
| Screen | 8.1" TFT LCD HD (1280 x 800) | 10.1" AHVA Full HD Plus |
| Dimensions WxHxD (in mm) | 227 x 151 x 24 mm | 283x203x26 mm |
| Weight | 880 grams | 1450 grams |
| RAM | 4 Gigabyte | 4 Gigabyte |
| Storage | 128 Gigabyte | 64 - 128 Gigabyte |
| Ex rating | NA | ATEX Zone 1, IECEx Zone1 and UL C1D1 |

ELECTRICAL DATA

| | | |
|-------------------------------|--|---|
| Power supply | 100-240 VAC. Li-Ion battery (up to 8 hours battery time) | 100-240 VAC. Li-Ion battery (up to 12 hours battery time) |
| Communication options | Bluetooth, Ethernet, USB 3.0, 802.11ac WLAN (IEEE 802.11a/b/g/n) | Bluetooth, Ethernet, USB 2.0 and 3.0, 802.11ac WLAN (802.11a/b/g/n dual band [2.4GHz and 5GHz]) |
| PipeMonit® unit compatibility | FDL and FDL Ex, Swarm® S1, Field Junction Box | FDL and FDL Ex, Swarm® S1 Field Junction Box |

SUMMARY DATA

The PDL and PDL Ex are Windows based rugged PDAs with PipeView® application software. The PipeView® app includes everything needed for commissioning and operation of any PipeMonit® Swarm®.

During installation, simply connect the PDL (Ex) to the Swarm® for commissioning and start up.

For operation of manually operated Swarm®s, connect the PDL (Ex) to the Swarm® using a USB cable. The Swarm® is powered and operated through the PDLs USB port.

One PDL (Ex) can operate multiple PipeMonit® Swarm®s. The PDL (Ex) will manage, collect, store, track and present wall thickness data, ID, temperature, corrosion/erosion rates and trends for each sensor and each Swarm® as well as battery status on any battery operated Field Data Logger.