MiCRO NO_x Specifications

- **Continuous mobile measurement of NO_x**
- **High Time resolution**
- **Easy data processing and Live Data display with Ground Control unit**



- Liquid chemiluminescence, using luminol reaction
- Ground control unit for in-field calibration, connects to flight unit via radio
- Linear detection range of <2ppb to 500ppb
- 2% full scale noise
- Time resolution: <1s
- Automatic calibration using gas standard
- High precision signal processing for better signal-to-noise ratio
- Graphical display of concentration vs. time on front of ground control module
- Intuitive presentation of all relevant parameters
- Internal data logging, download via USB
- Loading, saving, import and export of calibrations
- Consumption Luminol solution: ~100µL/min
- Dimensions flight unit: diameter 21cm, height 20cm, <2kg
- Dimensons ground control: 35cm x 20cm x 30 cm, 5kg
- Power requirements: 12V to 24V, max 700mA