The Ntron GazTrak is a compact, transportable Oxygen & Moisture analyser providing an affordable and versatile solution where portable gas measurement is required.

Housed in an ergonomic high impact case and with a microprocessor based touchscreen HMI display this makes the Ntron GazTrak the instrument of choice for demanding applications where a transportable, accurate, fast and reliable gas purity analysis is required.

Applications

An Oxygen / Moisture Analyser is typically required in:

- Glove box purge and leak detection
- Gas generation (Oxygen / Nitrogen)
- Additive manufacturing
- Semiconductor wafer machines
- Wave soldering
- Membrane air separators
- Inert welding gases
- Inert ovens
- Medical gas applications
- Pharmaceutical industries
- Food and beverage industries

Features

- Lightweight, rugged and highly portable
- Mains powered / Rechargable battery pack
- Oxygen Analysers for %, PPM and Moisture to PPM levels
- Oxygen Measurement ranges:
  - 0 - 1000 PPM Oxygen
  - 0 - 25% Oxygen
  - 0 - 96% Oxygen
- Moisture Measurement ranges:
  - 0 - 1000 PPM
- Reliable, long life zirconia oxygen sensor technology with Electrochemical options
- Gold plated capacitance moisture sensors
- Sensors can be mounted remotely with quick connectors
- Touch screen graphic display and multi-function user interface
- Data Logging as standard
- Ergonomic stand.
Dual Measurement Analysers
Continuous display of Oxygen and / or Moisture in % and PPM ranges respectively.

Sensor Technology
At the heart of the Ntron GazTrak Portable Analyser is a Solid State Zirconia Oxygen Sensor for long life, high stability accurate ZRO2 measurement of % and PPM Oxygen Concentrations. The Moisture sensor is a gold plated capacitance sensor for high accuracy and greater stability.

Fast Response Time
Due to the use of remote in-situ sensors the Ntron GazTrak has a T90 of less than 15 seconds.
GazTrak
Product specifications

Gas Type / Ranges
Oxygen / 0 - 1000 PPM
Oxygen / 0 - 25%
Oxygen / 0 - 96%
Moisture / 0 - 1000 PPM

Sensor Type
Ntron Oxygen Zirconia ZRO2 / Electrochemical Sensors
Ntron Moisture Capacitance Sensor

Sensor Life
Typically >30,000 hours in 20.9% O2 (Application dependant)

Response Time (T90)
<15 seconds. Warm up time 10mins from switch on.

Power Requirements
24 VDC

Environmental Rating
IP55

Connection Ports
6mm ‘Bulkhead’ tube compression fittings for sample in. Sample exhaust out via integral Flowmeter port.

Dimensions
245mm (h) x 203mm (w) x 155mm (d)

Weight
2.7kg

Outputs
4-20mA, RS 485
3-off Relay Dry Contact, 5A Rated

GazTrak
Application Setup / System Schematic

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Please note: Ntron Ltd. adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version.