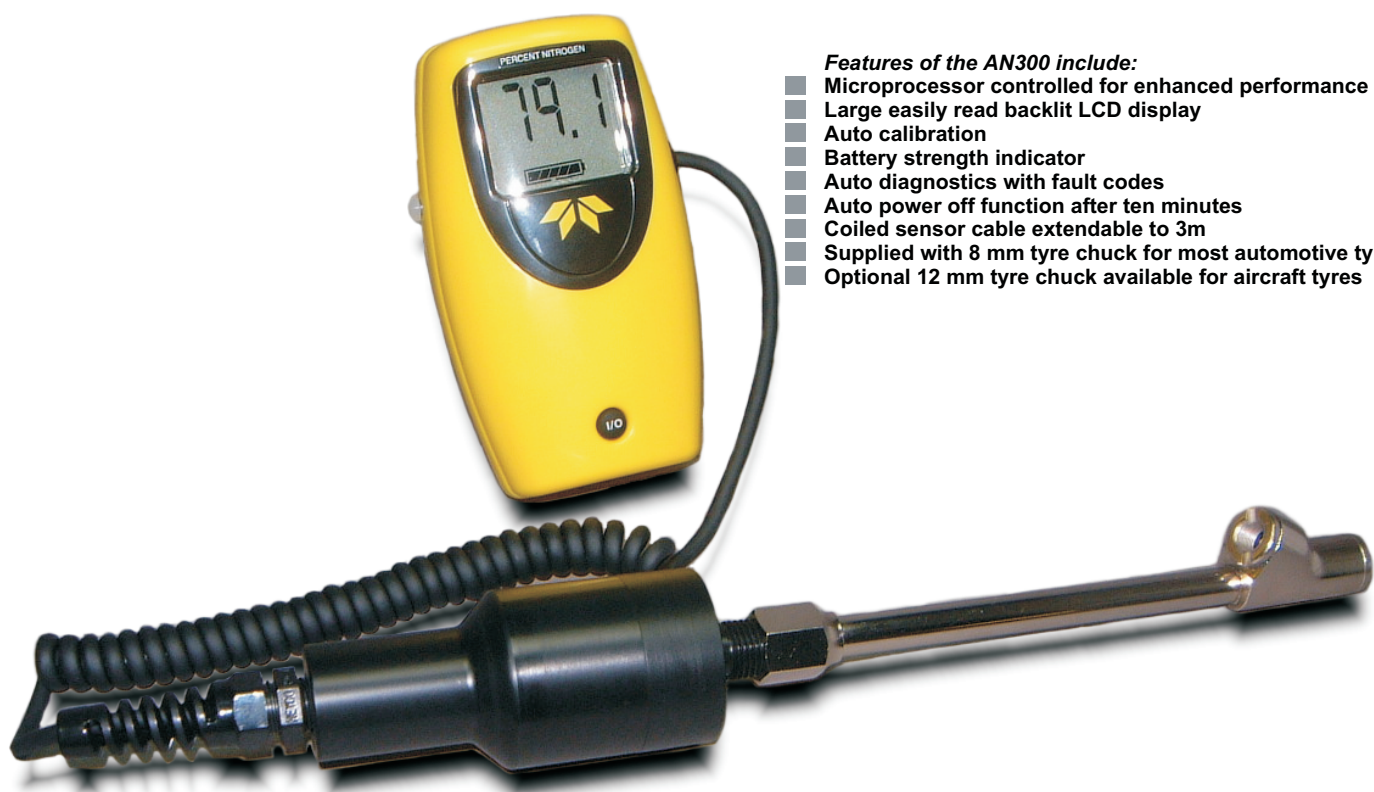


automotive

AN300 Nitrogen Analyser



Features of the AN300 include:

- Microprocessor controlled for enhanced performance
- Large easily read backlit LCD display
- Auto calibration
- Battery strength indicator
- Auto diagnostics with fault codes
- Auto power off function after ten minutes
- Coiled sensor cable extendable to 3m
- Supplied with 8 mm tyre chuck for most automotive tyres
- Optional 12 mm tyre chuck available for aircraft tyres

The AN300 Derived Nitrogen Analyser is designed to analyse the balance of nitrogen in vehicle tyres, aircraft tyres and other applications.

Specialist applications such as aircraft, motor racing tyres and heavy machinery use nitrogen as an inflation gas for a number of reasons; the nitrogen permeates through the tyre casing at around a third of the rate of oxygen, which maintains tyre inflation for longer, leading to improved performance and economy.

The use of nitrogen in tyres also reduces the oxidation caused by oxygen and water vapour, thus extending the life of the tyre, and nitrogen has a lower expansion rate with temperature, resulting in more even pressures under various conditions.

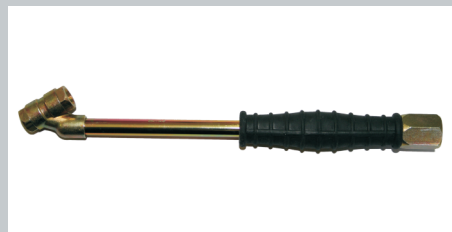
AN300 nitrogen analyser

Range	0% to 100% N
Full scale accuracy	+/- 2% at constant temperature and pressure
Response time	90% of final value in less than 10 seconds
Operating temperature range	0°C to +40°C
Power requirements	3 x AA/LR6/MN1500 1.5 V alkaline batteries
Battery life	2000 hours minimum (12,000 10-minute on/off cycles)
Sensor type	Teledyne class N-33
Sensor life	24 months in air
Sensor cable	Extendable to 3 m
Weight	420 g
Dimensions	140 mm (H) x 88 mm (W) x 76 mm (D)
Approvals	CE
Connectivity	1/4" NPT threaded sensor holder
Accessories included	P/n 0110950 - N33 sensor P/n 0121251 - 8v tyre chuck for 8 mm valves (Commonly used for automotive tyres) P/n 0121250 - Tyre chuck adapter 3 x AA/LR6/MN1500 1.5 V alkaline batteries
Optional accessories	P/n 0121252 - 12v tyre chuck for 12 mm valves (Commonly used for aircraft tyres) P/n 0121200 - Universal mounting clamp

Manufactured by



Teledyne Analytical Instruments



Part Number: 0121251 - 8v tyre chuck



Part Number: 0121252 - 12v tyre chuck



Part Number: 0121250 - tyre chuck adapter



Part Number: 0121200 - universal mounting clamp

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