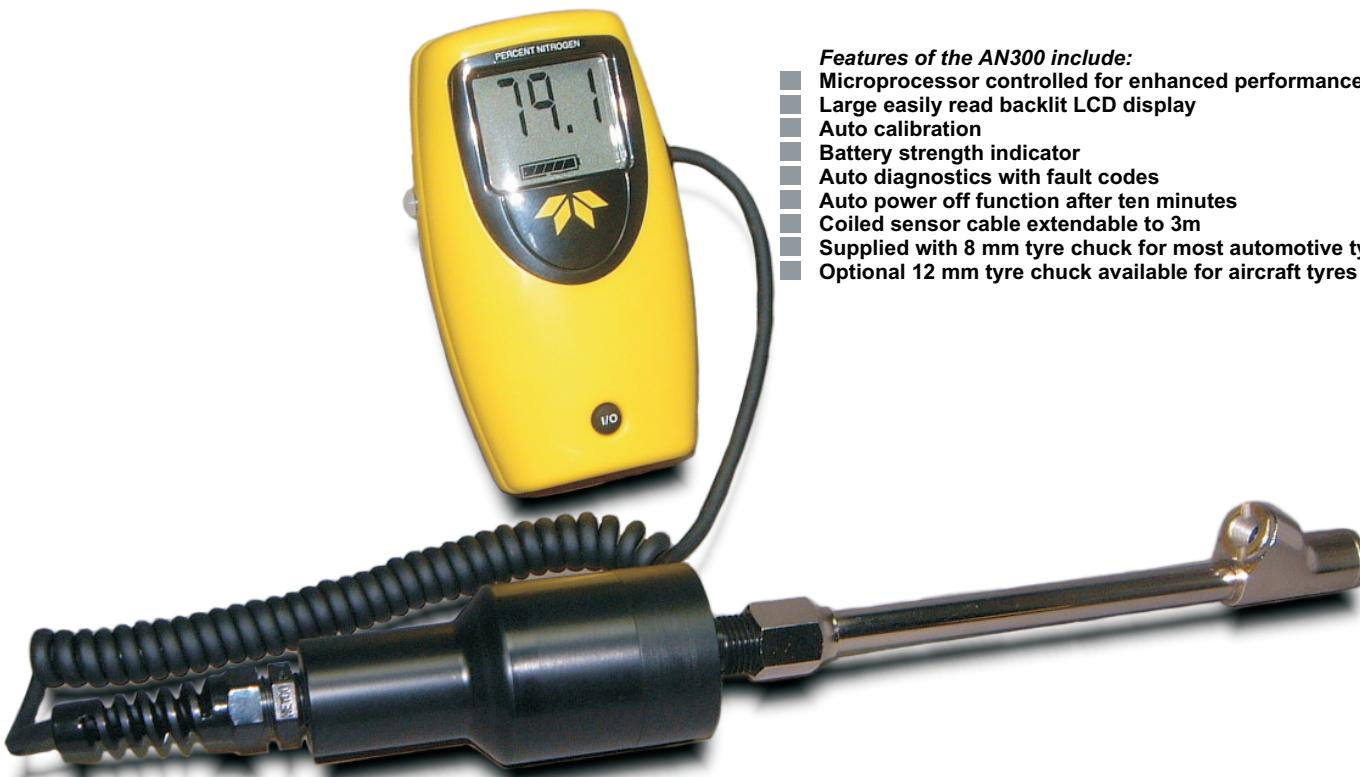


automotive

# 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

<b>Range</b>	0% to 100% N
<b>Full scale accuracy</b>	+/- 2% at constant temperature and pressure
<b>Response time</b>	90% of final value in less than 10 seconds
<b>Operating temperature range</b>	0°C to +40°C
<b>Power requirements</b>	3 x AA/LR6/MN1500 1.5 V alkaline batteries
<b>Battery life</b>	2000 hours minimum (12,000 10-minute on/off cycles)
<b>Sensor type</b>	Teledyne class N-33
<b>Sensor life</b>	24 months in air
<b>Sensor cable</b>	Extendable to 3 m
<b>Weight</b>	420 g
<b>Dimensions</b>	140 mm (H) x 88 mm (W) x 76 mm (D)
<b>Approvals</b>	CE
<b>Connectivity</b>	1/4" NPT threaded sensor holder
<b>Accessories included</b>	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
<b>Optional accessories</b>	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



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ISO 13485 - 2003