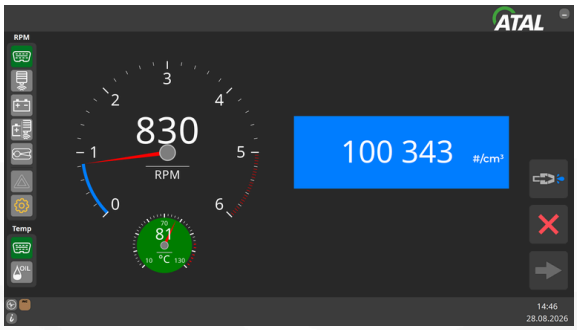
PN COUNTER MODULE AT 408

NEW

- **Nanoparticle measurement utilising Extended Diffusion Charging technology (Ext. DC technology)**
- **The equipment does not use any flammable operating fluid for operation.**
- **The equipment does not use an exhaust sample dilution system.**
- **An automatic condensate trap protects internal components during the measurement cycle. All condensate is automatically evacuated out of the device during the sampling probe cleaning cycle.**



ATAL is developing a PN particle counted (model AT408) for use in the testing of the internal combustion engine exhausts gases as part of its new range of third generation emission testing instruments. The equipment is scheduled for launch in 2026.
The AT 408 module utilises the Extended Diffusion Charging Technology measurement principles and the operating software runs on an attached PC.



The equipment has been designed to minimise interference from electromagnetic, mechanical and external atmospheric conditions. In developing the equipment with these characteristics, the reliability and long-term stability of the readings are maintained, and this contributes to a highly durable device with extended maintenance intervals.

The new ATAL emission device designs are protected by patent applications.

Preliminary parameters

Power supply	230 V AC / 24 V DC
Power consumption	200 W
Weight	9,8 kg
Dimensions	386 x 227 x 177 mm
Sampling probe (heated)	length 6 m
Operating temperature range	5°C to 40°C
Temperature range storage	10°C to 50°C
Ambient humidity	<95% (non-condensing)
Ambient pressure	860 hPa to 1060 hPa
Resolution	1000 #/cm^{-3}
Measuring range	5000 - 5.000.000 cm^{-3}
Warm-up time	5 min max. (at 25°C)
Communication	USB (BlueNET optional)