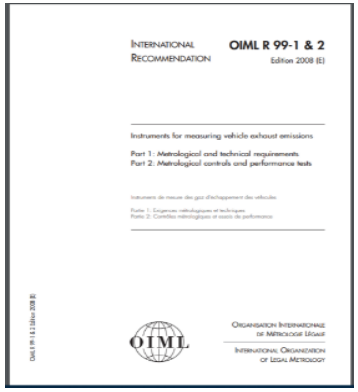
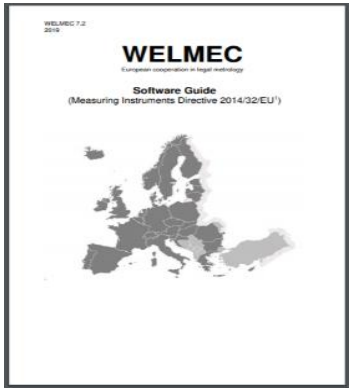
TEN

PTI Emission testers

Introduction

Nowadays, workshop equipment, and in particular emission control equipment, must comply with strict regulations imposed by the EU, the so-called European directives. In addition, there are many international requirements that the equipment must meet, such as the OIML, Welmec and numerous standards.



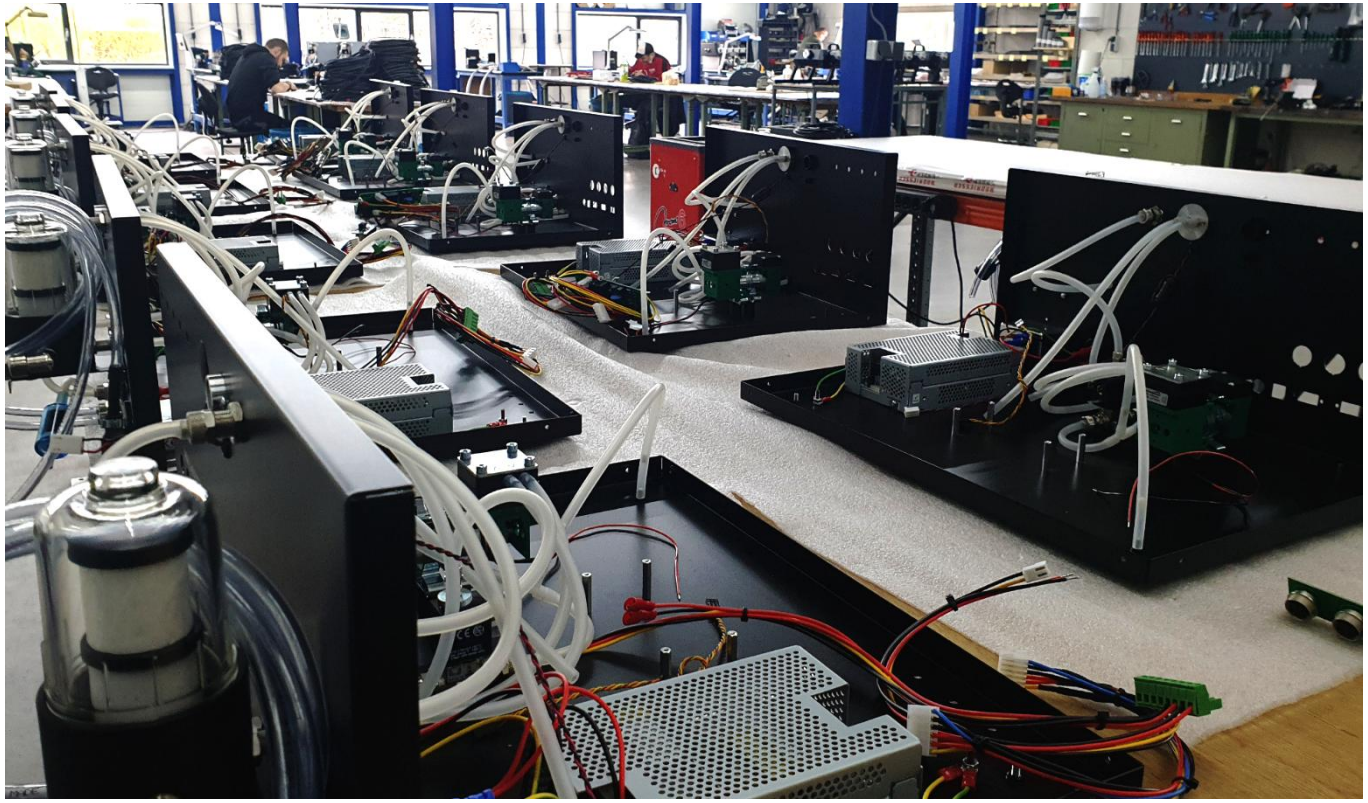


TEN Automotive

Test Equipment Nederland BV was founded in 1985 by the Andriessen family and is now managed by the second generation. Technisch Bureau Andriessen has been active on the Dutch market since 1978 as a supplier of garage equipment. Because there was a need for an in-house production facility alongside sales and service, Test Equipment Nederland was established. The brand name of our products is TEN.

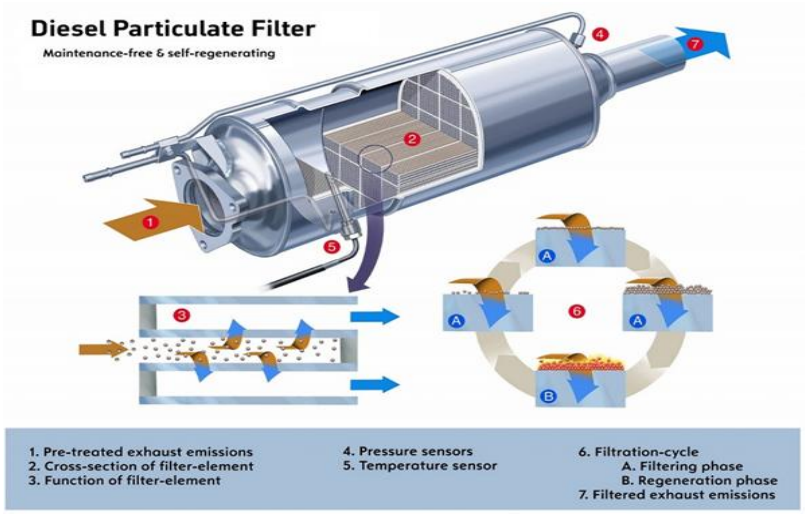
Test Equipment Nederland has been developing and producing garage equipment since 1985. We do this with a group of enthusiastic technicians in Baambrugge, Amsterdam area, the Netherlands. Development and production take place entirely in-house. You have probably seen the products before. Examples include gas analyzers, smoke meters, particle number counters, IR measuring sensors, and so on. TEN focuses primarily on emission testers. We produce several thousand emission testers annually. A large part of it is for export markets. TEN has an international dealer network responsible for local sales and service of TEN workshop equipment.

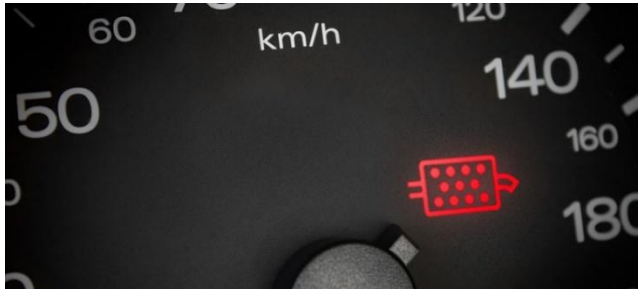
TEN production



New vehicle technology

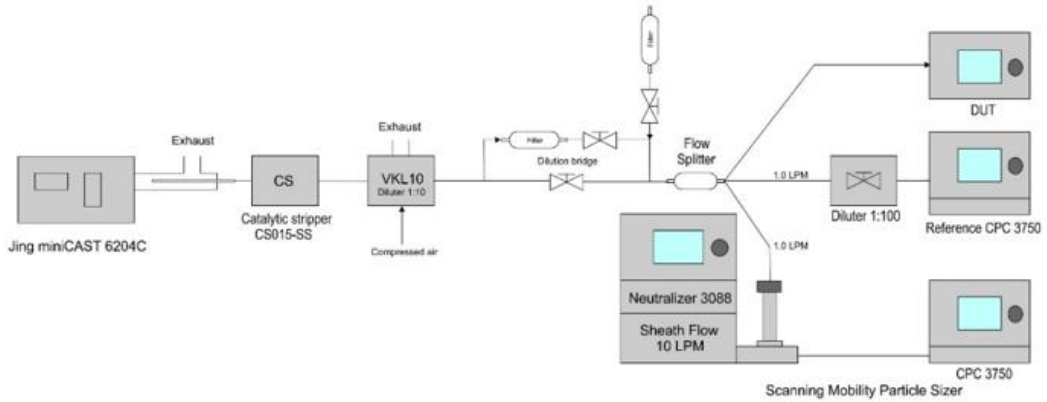
The requirements for motor vehicles are becoming increasingly stringent. Therefore, modern vehicles are increasingly equipped with advanced systems to meet these standards. Catalytic converters, lambda sensors, particulate filters, and on-board diagnostics. In the new RWP, emission requirements are once again becoming stricter, and more diverse emissions will have to be measured during PTIs.

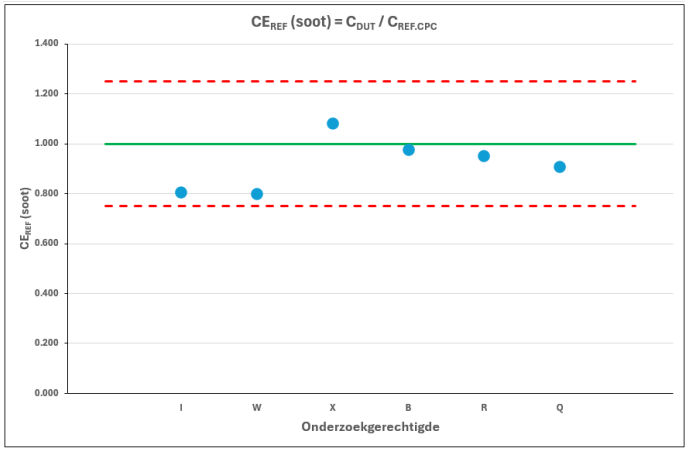


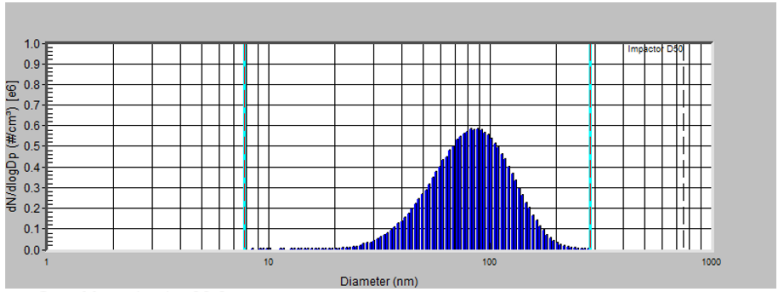


R & D department

The development of new products takes place in the R&D department. This department is equipped with modern, advanced instruments with which the necessary product requirements can be tested and verified. TEN R&D has well educated employees and an advanced laboratory.







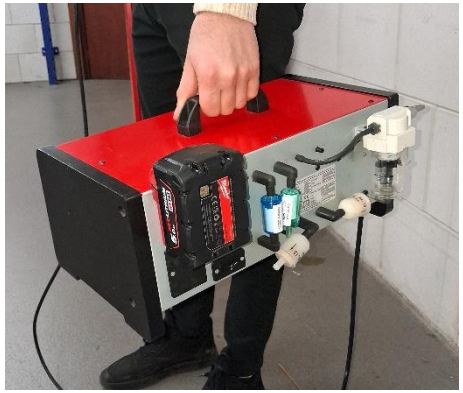
Geo. Mean (nm) 80.8
Geo. St. Dev. 1.50

New developments

TEN is constantly working on new developments in the field of emission measurements. Devices that can measure more accurately or meet even stricter requirements. But of course, they must be robust enough for use in the garage. Some examples of this are:

Particle number counters

For the SEB (Clean and Emission-Free Construction) program, TEN has developed a pilot particle number counter for mobile use and measurements on construction vehicles. On a full battery, the AEM measures continuously for approximately four hours, allowing many measurements to be performed. Data can be stored and used for recording over a longer period of time.



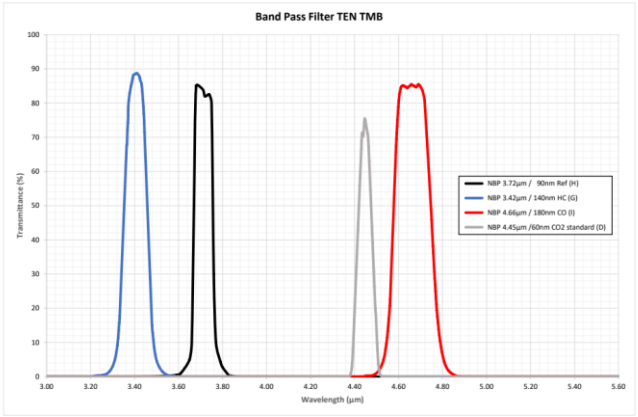
Gas analysers

Recently TEN has developed the new INNOVA ga sanalyser series. A version with clear and bright led displays and a version as a blackbox. Compact, light weight and incorporating the latest technology like a micro IR gasbench, new twin pump and available as 4, 5 or 6 ga sanalyser.

CO	**0.00 - 10.00 vol. %**
CO_2	**0.00 - 20.00 vol. %**
HC	**0 - 10000 vol. ppm**
O_2	**0.00 - 25.00 vol. %**
NO	**0 - 5000 vol. ppm**
NO_2	**0 - 2000 vol. ppm**

IR gasbenches

TEN also developed its own IR gasbench for its gas analyser or as an OEM product. During production each gasbench is adjusted with 12 different gasmixtures. And afterwards each gasbench is calibrated with 5 different OIML R99 mixtures.



👍 Thank you !