

TN eq

Total Nitrogen Equivalent



Nitrogen can be present in wastewater in the form of several species: As ammonium, as nitrate, bound in organic molecules or as nitrite.

In some applications, such as in wastewater treatment plants after the biological treatment step, thanks to the digestion, the amount of nitrogen present as nitrite or bound in organic compounds is so small that it can be neglected. Consequently, the total remaining nitrogen can be described as sum of ammonium and nitrate.

Product code 760 175

Additionally the electrodes

NH4 722 Z product code 712 800

NO3 722 Z product code 712 700

- Short response time
- No reagents required
- Minimum maintenance
- Cost-efficient

Method

This measurement can be performed quickly and easily with ionselective ammonium and nitrate electrodes (see ammonium probe, nitrate probe).

The measuring transducer evaluates the measured value and outputs the total N equivalent value.

Applications

Wastewater (outlet of wastewater treatment plants)