

侯传嘉

王欣2 北京市亦庄经济技术开发区荣京东街17号北京利达科信环境安全技术有限公司 100176

摘要：本文利用气相紫外吸收傅立叶变换的方法研制出水质氨氮在线分析仪，在测量地表水和废水时该法选择性高，几乎没有干扰，技术先进，结构合理，带有远程传输功能，同时这还是一台模块式的仪器，可以测量最多至12个参数。与传统方法相比，具有维护量小、运行费用低、耐色度和浊度干扰、无需每天标定标液等优点，已在污水处理厂、大型钢铁厂和化肥厂排水水质检测中得到广泛的应用。

关键词：氨氮在线分析仪,水质,气相紫外吸收,傅立叶变换,紫外

文章全文为PDF格式，请下载本机浏览。[[下载全文](#)]

如您没有PDF阅读器，请先下载PDF阅读器 [Acrobat Reader](#) [[下载阅读器](#)]

[A novel UV-FFT gaseous phase ammonia water quality on-line analyzer](#)

100176

Abstract: This is a UV-Fast Fourier Transform (FFT) gaseous phase ammonia water quality on-line analyzer. The method is very selective and no interference is known on surface water or waste water. It has an advance technology, reasonable structure and remote transfer. At same time, up to 12 parameters can be monitored simultaneously in one instrument. Comparing with traditional methods, It has a little maintenance, low costs, accept very high level of suspended solid without filtering, nearly no interference on color and turbidity, without standard solutions every day. The analyzers were broadly used for monitoring output in municipal waste water treatment plant, large steel plant and fertilizer plant.

Key words: Ammonia on-line analyzer, Water quality, Gaseous phase UV absorb, Fast fourier transform (FFT), UV (Ultra Violet)

[【大 中 小】](#) [[关闭窗口](#)]