

WHITEPAPERS

PHOTONICS MEDIA

THE PULSE OF THE INDUSTRY



DOWNLOAD FREE WHITE PAPERS

Sponsored by

 **En'Urga Inc.**
Innovations in Quality Control

Emission Spectroscopy at High Speeds: Essentials and Applications

High speed Spectrophotometers have recently become available for the study of high speed events. In some cases, these events occur within a fraction of a second. To fully characterize these events, the full spectra has to be obtained in less than a millisecond. This white paper describes a mid infrared spectrophotometer that can obtain the spectra from 1.3 to 4.8 microns in less than 1 millisecond. The utilization of this spectrometer in emission spectroscopy is highlighted in the paper. Sample results of temperature and gas concentration estimation in turbulent flames is shown in the paper. In addition, a visible spectrophotometer that can obtain full spectra in less than 20 microseconds is also described.

[DOWNLOAD WHITE PAPER >>](#)



Visit Photonics Media to download other white papers and learn more about the latest developments in lasers, imaging, optics, biophotonics, machine vision, spectroscopy, microscopy, photovoltaics and more.

<http://photonics.com/WhitePapers.aspx>

Questions: pr@photonics.com

Unsubscribe: <http://www.photonics.com/Newsletter/EmailUnsubscribe.aspx>

[Subscribe](#) | [Manage Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)