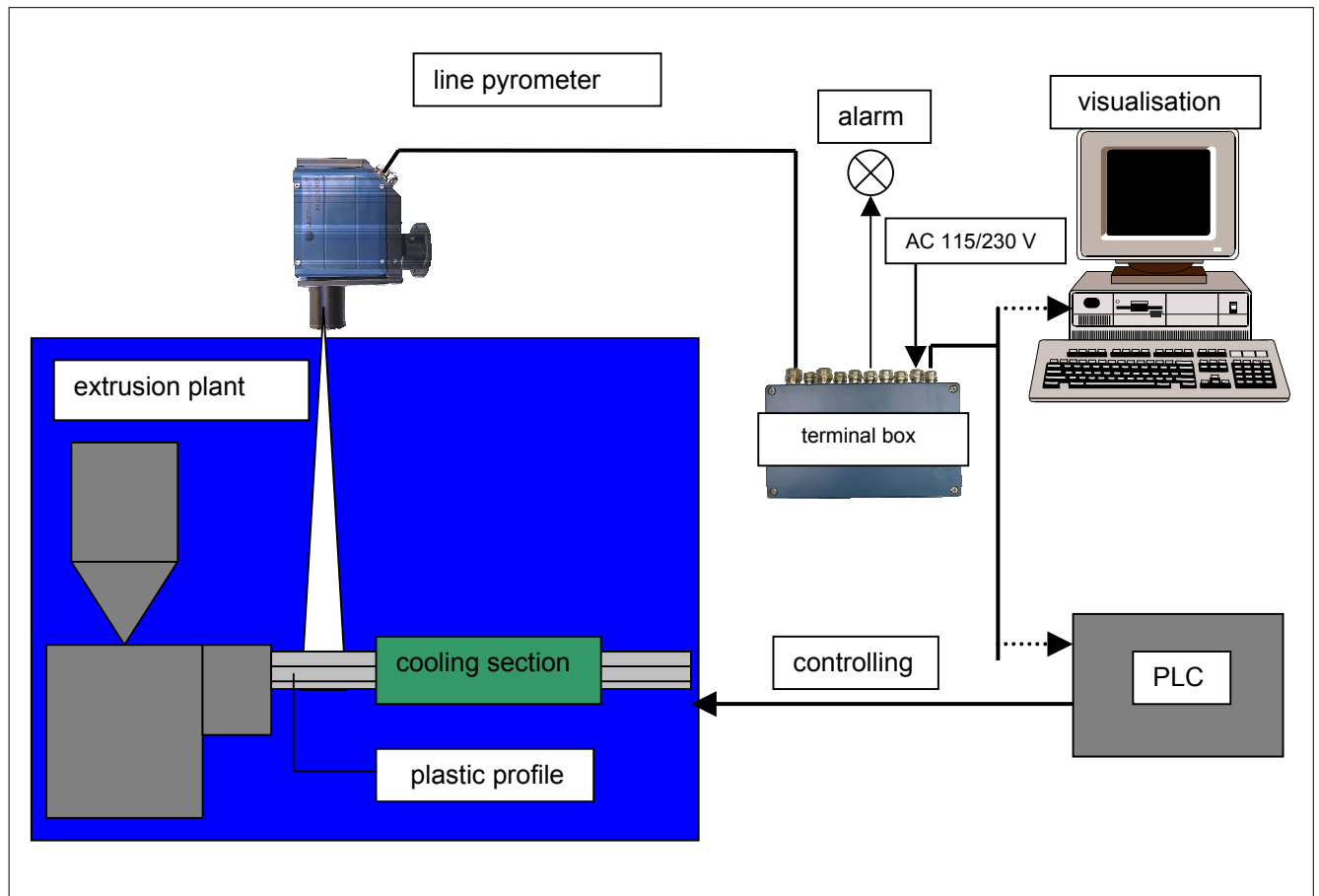


Application INFRALine R 2610

Contactless Temperature Measurement During Plastic Profile Extrusion



The Measuring Purpose

The measuring purpose is to automate monitoring and controlling of temperature distribution at extrusion plants. Important is a reproducible and quick temperature acquisition to increase productivity and quality.

The Solution

The aim of this solution is to acquire continuously the profile temperature over the total width. With this information production speed and profile quality can be increased. Data storage and data protection for a production certificate (ISO 9000) is also possible.

Content of Delivery

The measuring system consists of the line pyrometer type R2610, the connection cable to the terminal box, the terminal box and the PC evaluation software (Windows 98, Windows NT2000).

RS422 and LWG interfaces with the corresponding accessories are also available for higher transmission rates and transmission distances.

Line Pyrometer

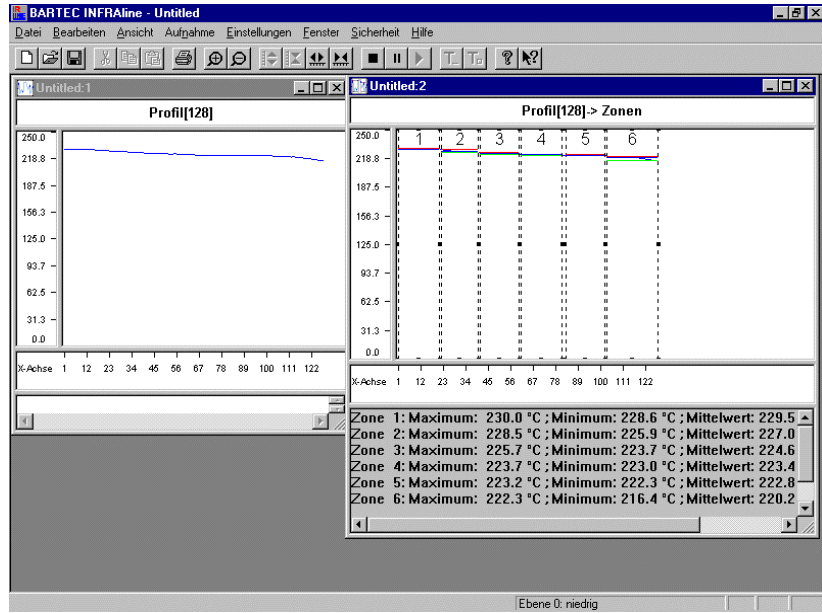
- Temperature range 50...250 °C
- Image and line trigger for synchronization with the production process
- Integrated water cooling and blowing equipment for use in rough environment
- Serial data interface to the PC

PC-Software

- Temperature in amplitudes- or image presentation
- Free scaling of temperature and colour
- Classification of areas for nozzle controlling
- Continuous data storage (data recorder)
- Trend presentation of production jobs (data player)

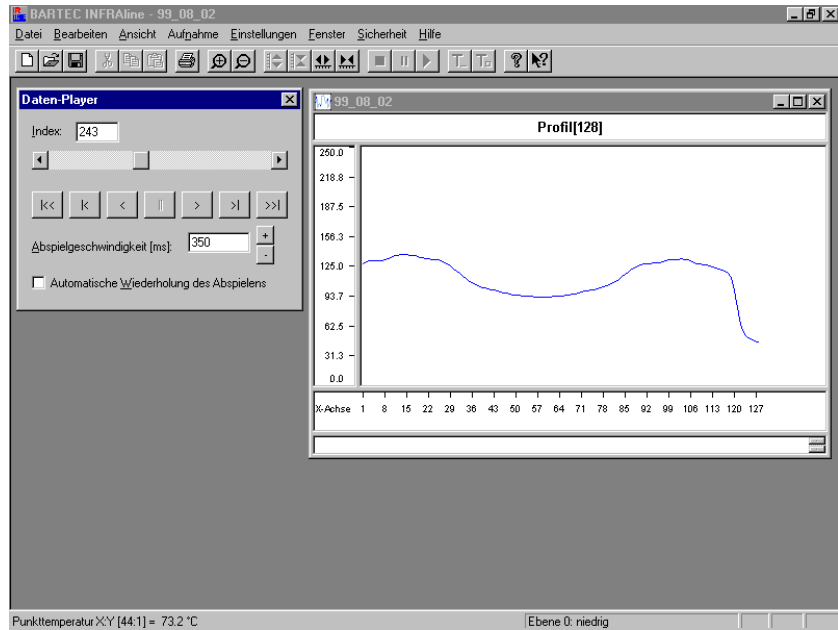
PC-Software

- Camera parameterization (transmission rate, image size)
- Parameter scaling (emission, transmission etc.)
- Data consumption (single measurement, continuous measurement and recorder)
- Data consumption with film trigger and/or single trigger
- Free adjustment of image orientation with pointing to the plant
- Documentation with colour printer
- Zone division referred to profile diameter
- Alarm when exceeding limit values



Example:

Profile presentation with zone division in the image



Example:

Profile presentation of recorded data with the data player