

# Endress+Hauser

## Highlights 2004

### your guide to new instrumentation and technology for process automation

Endress+Hauser have released a 32 page publication entitled 'Highlights 2004'.

The publication, pictured right, features a whole series of new Endress+Hauser products and services released during 2004 that strongly affirms E+H's commitment to research and development and their leadership in the field of process automation.

New developments are included from all E+H product groups such as Flow, Level, Pressure, Temperature and Analysis. Each item includes a description, application information, features and an extract of technical data.

Your copy is available on request simply by circling number **1105** and returning the Reader Enquiry Form, or by contacting [steve.watkins@emc.co.nz](mailto:steve.watkins@emc.co.nz) or phone ddi 09-415 1755.

To discuss most Endress+Hauser instruments or their application your best contacts at EMC are Chris Gailer or Howard Berry. Alternatively, Mark Armstrong is our Product Manager for Analytical instrumentation.



## E+H Level Instrumentation featured in "Highlights 2004"



### Prosonic M FMU42 Ultrasonic level measurement

Compact 2-wire / 4-wire transmitter for aggressive liquids such as acids and alkalis. Range up to 10m

**Enquiry No: 1106**

### Prosonic S FMU90 / FDU91-96 Ultrasonic level measurement

Separate transmitter and sensors for rugged applications in bulk solids or liquids with up to 2 sensors. Range up to 70m

**Enquiry No: 1107**



### Micropilot M FMR250 Radar level measurement

Reliable non-contact radar measurement in bulk solids such as cement, raw mix, lime, clinker, cereals, animal feed, etc.

Range up to 60m. Temperature to 200°C

**Enquiry No: 1108**

### Levelflex M FMP45 Guided Radar level measurement

Continuous level measurement for liquids - ideal for use in bypasses or displacement chambers. Temperatures -200°C to +400°C.

- Rod / coax probes up to 4m
- Rope probes up to 35m

**Enquiry No: 1109**



### Gammapilot M FMG60 Radiometric (Gamma) transmitter

Designed for extreme process conditions with measurement through the vessel wall.

- Level limit detection
- Level measurement
- Density measurement
- Interface measurement

**Enquiry No: 1110**

### Highlights 2004 - Summary

- Continuous Level measurement:
  - Ultrasonic
  - Radar
  - Guided Radar
- Radiometric non-contact measurement of density, interface and limit level
- Level:
  - WHG Tool software for selection and configuration of overflow protection systems
- Pressure measurement:
  - highest process requirements
- Differential Pressure measurement:
  - pressure, level and flow
- Pressure - level limit detection
- Temperature switch:
  - display and control of process temperature
- Temperature measurement:
  - transmitters and field transmitters
- Flow measurement:
  - vortex
  - mass, coriolis
- Digital communication with Fieldbus technology
- Liquid Analysis:
  - digital combined electrode
  - glass and non-glass electrodes
  - sampler system
- Communication and software:
  - operation, evaluation, visualisation and monitoring
- Asset life cycle management system
- Instrument management solutions for optimising processes and product quality
- Complete solutions for process automation
- Configuration and asset management software