



PROCESS AUTOMATION



# LEVEL MEASUREMENT OVERVIEW








# Continuous Level Measurement

Process management is made possible through the use of continuous level measurement. Today's modern facility requires statistical and informational data relating to the consumption, loss prevention, process control or balancing of material used within their operation. This ever-increasing demand for information adds to the need for continuous level instrumentation. At Pepperl+Fuchs, we offer a complete range of instruments and interfaces for these applications. Our sensors use a wide range of technologies to record the level of liquid and solid materials. We offer solutions with standard 4-20mA outputs as well as 2-wire digital signals such as HART, Profibus PA and FOUNDATION fieldbus.



For applications involving hazardous areas, P+F products are suitable for use in Zone 0 and Division 1 locations. With our expertise in intrinsic safety and other hazardous area protection techniques, you can be confident our units will carry the appropriate certification. From instrument to interface, Pepperl+Fuchs is a complete solutions provider for your continuous level application.

| Method of Detection | Continuous Level Measurement   |  |
|---------------------|--|--|
|                     | Liquids  | Solids   |
| Ultrasonic          |    |   |
| Guided Microwave    |    |  |
| Hydrostatic         |  |  |








# Point Level Detection

Today, level detection is the basis for facility management and process control in the chemical, petrochemical, environmental and other related industries. With an extensive line of products, Pepperl+Fuchs can solve your specific applications for these and many other industries by offering solutions to accurately detect a wide range of media in various conditions. At Pepperl+Fuchs, level control means more than product alone. It means adhering to all of the legal requirements in your particular region. We are aligned with all national and international requirements plus our active involvement in standard committees provides strong commitment and knowledge. Our products are suitable for hazardous locations since ATEX, FM, and CSA certifications are integral in our design criteria.



We offer solutions for a wide range of point level applications such as overflow/dry-run prevention and min-max regulation. Our products are used to determine whether a preset level has been achieved or exceeded or whether the level has fallen below the critical point.

| Method of Detection | Point Level Measurement   |   |
|---------------------|---|---|
|                     | Liquids   | Solids  |
| Vibration           |  |  |
| Capacitive          |  |   |
| Conductivity        |  |   |
| Float               |  |   |



## FUNCTIONAL SOLUTIONS FOR THE WORLD OF AUTOMATION

For half a century Pepperl+Fuchs has continually provided new impetus to the world of automation. We develop, manufacture and market electronic sensors and interface modules through our worldwide network. Our global presence and highly flexible production and service organizations enable us to offer you complete individual solutions – right where you need us! We know what we're talking about – because today Pepperl+Fuchs is the company with the largest selection of industrial sensor and interface technology in the World – serving a very broad spectrum of applications. **Our signals move the World.**



[www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

### Worldwide Headquarters

Pepperl+Fuchs GmbH · Königsberger Allee 87  
68307 Mannheim · Germany  
Tel. +49 621 776-0 · Fax +49 621 776-1000  
**e-mail: [pa-info@de.pepperl-fuchs.com](mailto:pa-info@de.pepperl-fuchs.com)**

### USA Headquarters

Pepperl+Fuchs Inc. · 1600 Enterprise Parkway  
Twinsburg, Ohio 44087 · USA  
Tel. +1 330 486-0002 · Fax +1 330 425-4607  
**e-mail: [sales@us.pepperl-fuchs.com](mailto:sales@us.pepperl-fuchs.com)**

### Asia Pacific Headquarters

Pepperl+Fuchs Pte Ltd. · P+F Building  
18 Ayer Rajah Crescent · Singapore 139942  
Company Registration no. 199003130E  
Tel. +65 67799091 · Fax +65 68731637  
**e-mail: [sales@sg.pepperl-fuchs.com](mailto:sales@sg.pepperl-fuchs.com)**

