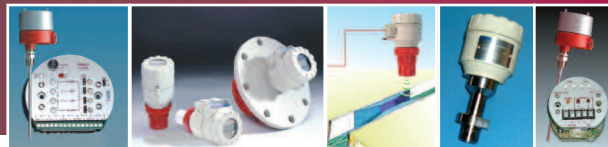


# Princo Instruments



is a leading level instrumentation manufacturer...  
and the first and only company in the process control industry  
to provide a **10-year warranty**.

## Why Princo products are better

- Advanced technologies proven in thousands of applications
- Wide range of technologies to meet your application requirements
- Features you need, that other manufacturers charge extra for
- High quality, stability, accuracy, and reliability
- **FREE Evaluation Units - try our instruments RISK FREE!**

**10 year warranty – the only one in the industry\***

*Plus, Princo instruments are backed by exceptional, helpful factory and field support.*

## Princo is known for developing these industry innovations:

- **Our SMART 1™** RF Level Transmitter was the process control industry's first "SMART" digital RF level transmitter.
- **Our SmartSonic™** line of ultrasonic level transmitters utilizes a unique narrow beam technology for enhanced, unmatched accuracy and reliability.
- **RF Null-Kote™** electronics cancel out any conductive material coatings that adhere to level sensing probes and can cause problems in other units. Princo RF Null-Kote™ units are

## About Princo

Princo has been manufacturing precision measurement instruments and controls since 1910 – one of the most experienced and most stable companies in the process control field. Princo products are used around-the-world in numerous applications in water & wastewater treatment, chemical, petrochemical, food & beverage, medical, pharmaceutical, utility, pulp & paper, mining, and many other industries.

We offer level controls that are suitable for use with virtually any material:

- |            |            |               |
|------------|------------|---------------|
| ■ Liquids  | ■ Slurries | ■ Interfaces  |
| ■ Granules | ■ Powders  | ■ Bulk solids |

Ideal for most applications in a wide range of industries, including:

- |                                  |                 |                   |
|----------------------------------|-----------------|-------------------|
| ■ Chemical                       | ■ Petrochemical | ■ Pharmaceutical  |
| ■ Power plants                   | ■ Pulp & Paper  | ■ Food processing |
| ■ Water & wastewater... and more |                 |                   |

Plus, we offer a full range of instruments:

- Level transmitters
- Point level switches
- Multipoint level controllers
- Pressure sensors
- Open channel ultrasonic flowmeters

Utilizing RF impedance, ultrasonic, resonance, magnetic, and pressure sensing technologies, Princo has the right solution for your application.

\*10 year warranty is offered on most RF and ultrasonic level controls; see specification sheets for details.

- **Exceptionally easy to install and wire, have the unique Easy-On-Probe™ connection.**
- **Provided with explosion-proof/weatherproof housings**
- **Conformal-coated for moisture protection - standard**
- **Offered factory calibrated - standard, at no additional cost**

*In fact, many features that other manufacturers consider to be extra-cost options are standard – at no extra cost – from Princo.*

**FREE EVALUATION UNIT**  
Any unit! For details visit our website:  
**[www.PrincoLevelControls.com](http://www.PrincoLevelControls.com)**

**Princo Instruments –**  
**Built with quality and reliability... and the**  
**only 10-year warranty in the industry!**

Contact Princo for application assistance

**1-800-221-9237**

**[www.princolevelcontrols.com](http://www.princolevelcontrols.com)**

## LEVEL CONTROLS

### SmartSonic™ Ultrasonic



#### Key Advantages

- High accuracy due to Narrow Beam Technology
- 2- and 4-wire units available; programmable relay outputs on 4-wire
- Built in temperature compensation
- Princo's exclusive 10-year warranty

#### Models available with:

- HART® communications
- Flood proof, NEMA 6 enclosure 4-wire
- Solar panel/battery operation
- All Teflon Tri-clamp mounting for sanitary applications

#### Models available for:

- Powders and bulk solids such as Fly ash, carbon black, plastic pellets, coal & coal powder, flour, sugar and more
- Locations prone to "flooding," such as reservoirs, wet wells/man holes, irrigation, rivers & streams, open channels
- Sanitary applications, such as dairies, food processing, breweries, pharmaceuticals, etc.
- Areas requiring intrinsically safe instrumentation

### RF Point Level



#### Key Advantages

- Null-Kote™ circuitry ignores coatings on sensor
- Explosion-proof housing standard
- RF immune, vibration proof, conformally coated PCB
- Fail safe high or low
- Time delay included
- Heavy duty relay
- Princo's exclusive 10-year warranty

#### Models available with:

- High sensitivity and stability
- Factory Mutual Approval
- Low, economical cost
- Self monitoring diagnostics

#### Models available for remote monitoring

### Microwave Switch



#### Key Advantages

- "Through the Wall" Level Detection
- Unaffected by adverse environments
- Small sensing head
- Simple beam alignment

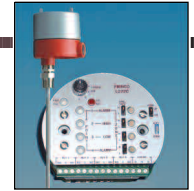
#### Models available for:

- Rocks or Ore Chute Plugging detection
- Molten metal level detection in furnaces
- "Hot Side" Fly Ash in Hoppers
- Flour or cement in Silos
- Coal Level in Bunkers

#### Models available with:

- Analog output: 4 - 20 mA
- Inspection Window
- Single or Multi Channel

### Multipoint RF Level Controls



#### Key Advantages

- Advanced features and capabilities
- Null-Kote ignores coatings on sensor
- High sensitivity and stability
- Princo's exclusive 10-year warranty

#### Models available for:

- Areas requiring intrinsically safe instrumentation
- Remote locations
- Ideal for sump or lift station control
- Applications requiring remote electronics

#### Models available with:

- Explosion proof housing
- NEMA 4X weatherproof remote electronics unit
- Pushbutton setup
- Built in self diagnostics

## OTHER LEVEL CONTROLS

### MagneLevel™ Transmitter



- Economical 2-wire level transmitter
- NEMA 4X enclosure
- Accuracy to 0.25"
- All types of vessels and tanks (to 12')

### Resonator Point Level Switch

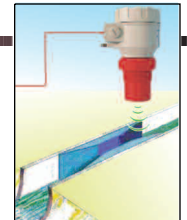


- Simple operation, very economical
- Easy Installation - no calibration
- Maintenance free
- Standard 1" NPT Mounting
- 316 SS wetted parts

## OPEN CHANNEL FLOWMETERS

*Ideal for: reservoirs, wet wells/man holes, irrigation, rivers & streams*

### SmartSonic Ultrasonic



- High accuracy due to Narrow Beam Technology
- Simple push button setup
- 2 or 4 wire (ac or dc)
- Integrator/totallizer capability
- Princo's exclusive 10-year warranty on most units\*
- Ideal for water & wastewater and many other applications

#### Also available with:

- Flood proof, NEMA 6 enclosure
- Solar panel/battery operation
- Digital HART® protocol

## PRESENCE ABSENCE DETECTORS

*Pumps/other devices run-dry protection*

#### Key Advantages

- Obstruction-less to flow
- No moving parts
- 1 to 12" pipe sizes
- Wide temperature range
- Available as integral unit or remote electronics
- Princo's exclusive 10-year warranty



## PRESSURE

### SmartPress Model LP-D



- High accuracy to 0.25%
- Simple push button setup
- High turn down ratio
- 4-20mA output; HART® communications optional
- Stainless steel flush diaphragm
- Optional plug-in display module
- Princo's exclusive 10-year warranty

Contact Princo for application assistance 1-800-221-9237

# PRINCO™

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1-800-221-9237

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[www.PrincoLevelControls.com](http://www.PrincoLevelControls.com)

Represented by:

*Tell us about  
your applications...  
we'll solve even  
the toughest ones!*

\* Refer to specification  
sheets for details.