

## Prosonic S - reliable Ultrasonic Measurement in Liquids & Bulk Solids

As the world's largest manufacturer of ultrasonic sensors, with over 35 years of development and application experience, Endress+Hauser are delighted to launch their new **Prosonic S** series.

With separate transmitters and sensors Prosonic S provides distinct advantages, especially in Water / Wastewater and Bulk Solids environments.

The separate transmitter is suitable for up to 2 sensors and is equipped with HART as standard and E+H ToF Tool operating software (both free).

Prosonic S offers non-contact, maintenance-free measurement and is unaffected by product properties such as changing density and dielectric constant.



*Typical Prosonic S applications:  
Open Channel Flow Measurement and  
Screen Monitoring / Control*

### Sensors

A choice of 6 sensors are available, each with different characteristics to suit varied applications. Features include:

- seal free fully welded liquid sensors
- a stainless steel sensor with tri-clamp
- short blocking distance (most models)
- low sensitivity to condensation due to strong self cleaning affect
- measuring ranges:
  - liquids - up to 25 metres
  - bulk solids - up to 70 metres
- gas as well as dust Ex approvals

### More information?

Circle Enquiry No: 0201  
Contact: Howard Berry or Chris Gailer



## Endress+Hauser The Leader in Ultrasonics



### Transmitters

Two transmitter options are available: a top-hat rail version for control cabinet installation or a robust, IP66 field housing. The transmitter has automatic sensor type recognition, a backlit display and plug-in electrical connections.

Outputs include up to 2 x 4-20mA (HART) and 1 relay with the option of 3 or 6 relays. Profibus DP is also optional. Power supplies include 90-253Vac or 10.5-32Vdc so battery operation is possible.

As well as user-friendly commissioning and operation the transmitter features easy step-by-step calibration instructions (filling or emptying is not required).



*Typical Prosonic S applications:  
Crusher Monitoring*

### Typical Prosonic S applications

- Specifically adapted to the Water / Wastewater Industries with many programmable software features.  
E.g: 77 pre-programmed flow curves, screen and pump control, storm water basin monitoring with level and flow (2 x 4-20mA) in the same instrument and with one sensor.
- Level measurement in storage and buffer tanks or in agitated tanks
- Level measurement in silos, bunkers and stockpiles
- Flow measurement in open channels and weirs
- Control of pumps, lift stations and screens
- Monitoring of crushers, conveyor belts and belt load
- Monitoring of up to 6 level limits in silos or tanks