

dB ULTRASONIC TRANSDUCER SERIES

Compact, low-power design that gives exceptional results even in challenging situations.

Non-contact ultrasonic transducers to create the perfect solution for your application.

Previously, users had a choice between high-voltage, frequency-dependent transducers that were susceptible to electrical noise and needed special, protected interconnecting cables, and weak, low-power transducers that had good hazardous area performance but performed poorly in any but the simplest application.

The dB ultrasonic transducer range has changed all of that, creating a compact, low power transducer design that can be Intrinsically Safe certified and uses standard interconnecting cables, yet produces extremely high acoustic power to give exceptional results in a wide variety of applications.

Features & Benefits

Combine a dB ultrasonic transducer with any of Pulsar's Ultra, FlowCERT, Zenith, Quantum, or Blackbox control units to create the perfect solution for your application. All transducers have flammable atmosphere approval as standard.

Standard transducer bodies are made from Valox 357 PBT with a special foam radiating face. Some are available with both body and sealed front face in PVDF for corrosive applications.

Flanged Transducers

Flange options are available for dB3, dB6, dB10, and dB15 transducers, ANSI or DIN specification, all featuring full PTFE



THE RIGHT METER FOR

- Wet Well Level Measurement
- Tank Level Measurement
- Silo Level Measurement
- Pump Control Applications
- Shaft Tank Monitoring
- Digester Levels

coating on the process wetted side. Various flange sizes are available. The maximum vessel pressure on flanges is 0.5 bar (7 psi). These incorporate the performance features of the standard products but additionally offer a front thread mount option to suit threaded nozzles or flanged tank entries.

These integral flange options are available with the standard family of transducers, up to the dB15 size.

Foam Face

A foam faced option is available for all the standard range transducers to provide more acoustic power