

ACCUSONIC®

Model 7600 Transducer

Model 7600 Transducer & 7660 Feedthrough Assembly

The 7600 transducer and 7660 feed-through assembly are constructed of 316 stainless steel. Each assembly includes an integral ball-type shut-off valve to allow for the removal of the entire transducer for repair, replacement, or cleaning without de-watering the pipe. The Model 7600/7660 is an extremely rugged assembly designed for low to high pressure, indoor or outdoor applications.

The Model 7600/7660 assembly is installed in a de-watered pipe from the inside out. Installation is performed by accurately determining transducer locations, drilling holes in the pipe for penetration of the feed-throughs and measuring the as-built transducer locations. The feed-through assembly is sealed on the pipe using an O-ring inner seal and an outer packing. No welding is required.

A Model 7661 Jacking Mechanism is used for removal or insertion of the 7600 transducer under pressurized conditions.

Unique Features

Flexibility: Can be removed or reinserted without de-watering or shut down of system

Accuracy: Provides the highest level of accuracy & repeatability, even in the harshest conditions & environments

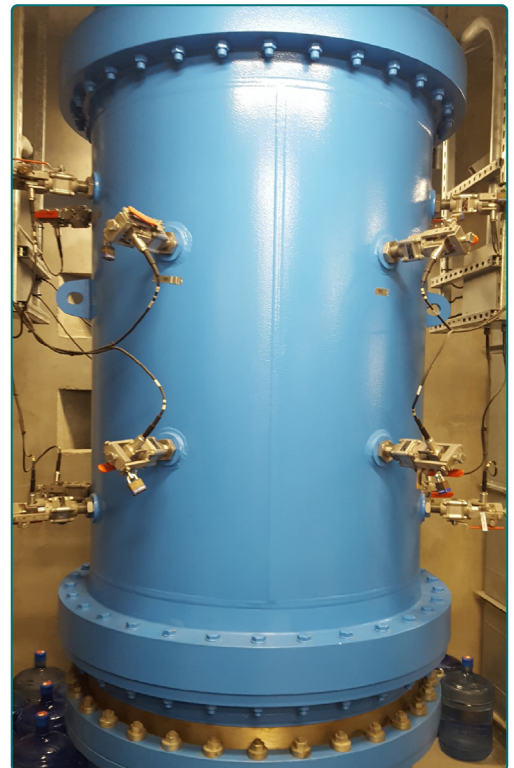
Economy: All ACCUSONIC flowmeter controllers & transducers are backwards compatible, reducing upgrade costs and saving time

About ACCUSONIC

ACCUSONIC®, a brand of ADS® LLC, designs and manufactures multi-path transit-time flow measurement systems, which are renowned for their precise accuracy and reliability in difficult operating environments.

ACCUSONIC flowmeters can be found in hydroelectric and thermal power plants, water and wastewater treatment facilities, sewage collection systems, and other types of water conveyance pipelines and channels.

Since 1967, ACCUSONIC has installed thousands of systems worldwide, and offers a full range of services including installation and startup, system verification, turbine performance testing services, and field training.



Model 7600
4x4 Path Configuration



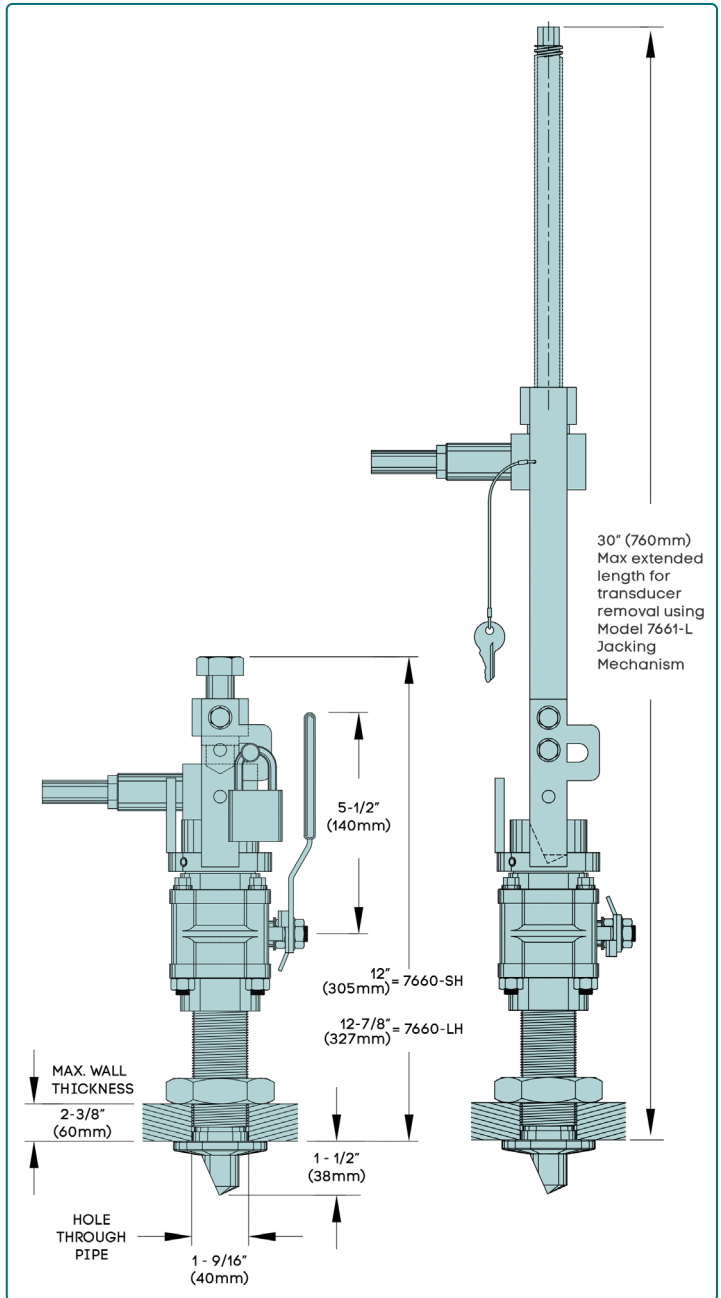
Model 7600 Transducer

DESIGN SPECIFICATIONS

Operational Frequency	1 MHz
Pipe Diameter	3 ft. - 24 ft.* (0.9 m - 7.50 m) *for pipes with smaller or larger diameters, please contact ACCUSONIC
Maximum Operating Pressure	1500 psi (103 bar)
Temperature Limits	Operating: 32° to 122° F (0° to 50° C) Storage: 14° to 122° F (-10° to 50° C)
Construction Material	316 SS

DIMENSIONAL DATA

Feedthrough Diameter	1.50 in. (38 mm)
Maximum Pipe Wall Thickness	2.375 in. (60 mm)
Protrusion	1.50 in. (38 mm)
Clearance Required for Transducer Removal/Replacement	36 in. (915 mm) radial clearance from outer pipe wall



Left: Model 7600 Transducer & 7660 Feed-through Assembly
Right: Model 7661 Jacking Tool

**Contact ACCUSONIC for more information
and solutions for your flow metering applications.**

Learn more about ACCUSONIC at www.ACCUSONIC.com
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ACCUSONIC
is a brand of **ADS**