Model 7601 Transducer

Model 7601 Transducer & 7641 Feedthrough Assembly

The Model 7601 is a 316 stainless steel transducer and the Model 7641 is a stainless steel feed-through assembly designed for low to medium pressure, indoor or outdoor applications. The 7641 assembly allows for the removal of the entire transducer for repair, replacement, or cleaning, without de-watering the pipe.

The Model 7641 assembly is installed in a de-watered pipe from the inside out. Installation is performed by accurately determining the transducer locations, drilling holes in the pipe for penetration of the feed-throughs, and then measuring the as-built transducer locations.

The feed-through assembly is sealed on the pipe wall using an O-ring inner seal and an outer seal of packing material. No welding is required. A Model 7642 Jacking Mechanism is used for removal or insertion of the 7601 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

4x4 Configuration - 65° Path

Interior View: 4-Path Configuration 30-inch (72 cm) Pipe

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.

ACCUSONIC®

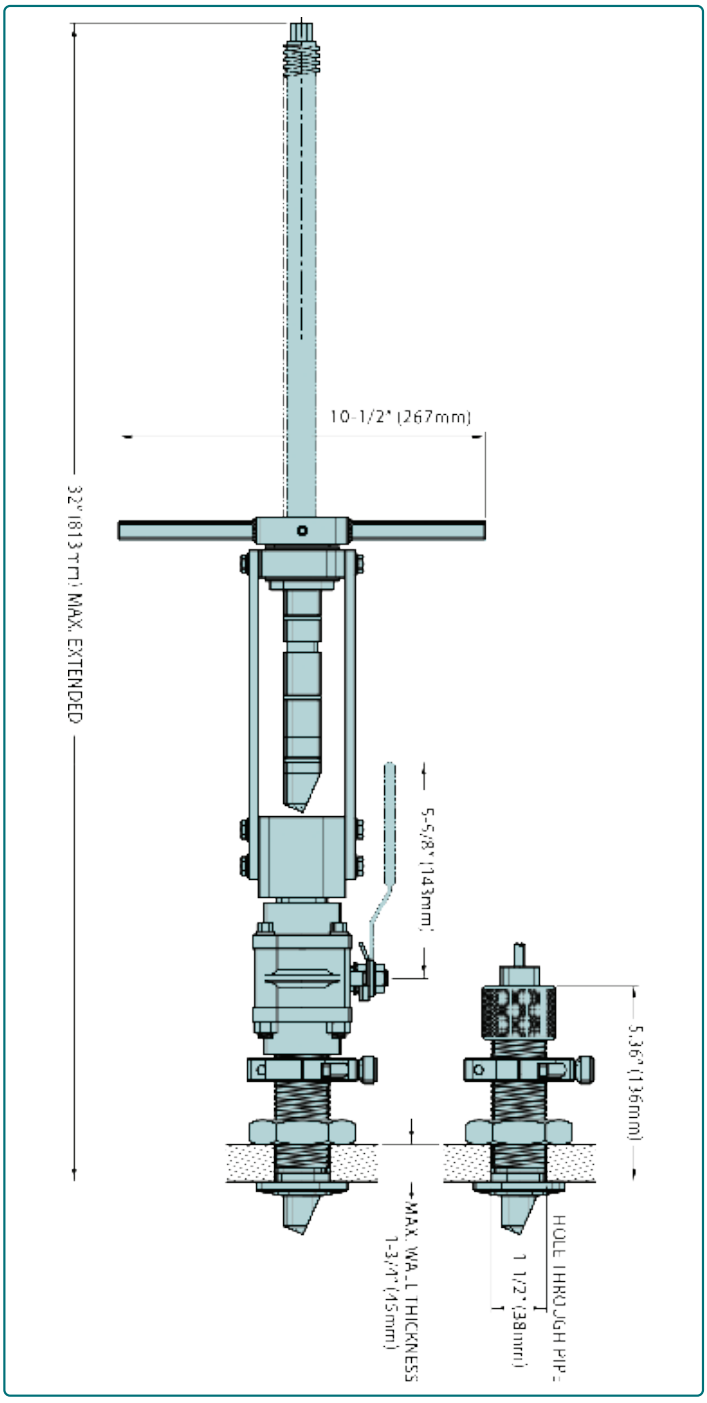
Model 7601 Transducer

DESIGN SPECIFICATIONS

Operating Frequency	1 MHz
Pipe Diameter Range	1.5 - 24 ft (0.5 -7.5 meters) * For applications with smaller or larger diameters, please contact ACCUSONIC
Maximum Service Pressure	450 psi (31 bar) 900 psi (62 bar), *HP version*
Temperature Limits	Operating: 32° to 122° F (0° to 50° C) Storage: 14° to 122° F (-10° to 50° C)
Construction Material	316 SS Body with PVC Window

DIMENSIONAL DATA

Feedthrough Diameter	1.50 in. (38 mm)
Maximum Pipe Wall Thickness	1.75 in. (45 mm)
Protusion	1.50 in. (38 mm)
Clearance Required for Transducer Removal/ Replacement	36 in. (915 mm) radial clearance from outer pipe wall if system is under pressure 12 in. (304 mm) radial clearance from outer pipe wall if conduit/pipe is de-watered



***Right:** Model 7601/7641 Transducer & Assembly*
***Left:** Model 7642 Jacking Tool*

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

Learn more about ACCUSONIC at www.ACCUSONIC.com
Call: +1(256)430-3366 **Email:** accusonicsales@idexcorp.com

ACCUSONIC® *is a brand of* ADS

Specifications subject to change without notice.