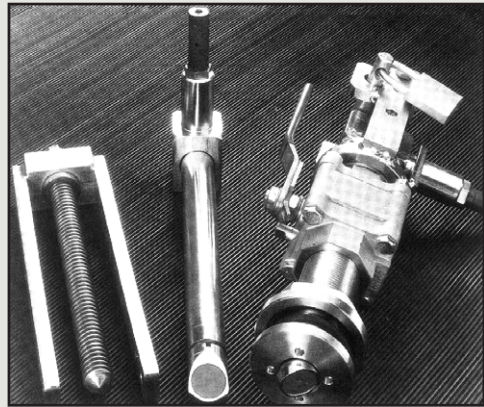


Model 7600/7660 Feedthrough Transducer Assembly



About Accusonic

Accusonic Technologies, a division of ADS LLC, designs and manufactures ultrasonic transit-time flow measurement systems that are renowned for their precise accuracy and reliability in difficult operating environments. Accusonic flowmeters can be found in hydroelectric plants, thermal power plants, water and wastewater treatment facilities, sewage collection systems, and other types of water flow 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.

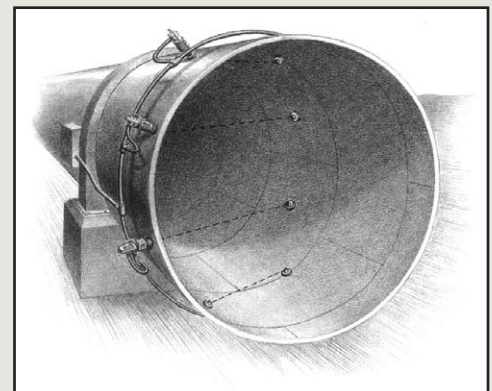


The Model 7600/7660 is a 316 stainless steel transducer and feedthrough assembly incorporating a fully removable transducer. Each assembly includes an integral ball-type shut-off valve to allow for the removal of the entire transducer for repair, replacement, or cleaning without dewatering the pipe. 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 dewatered pipe from the inside out. Installation is performed by accurately determining transducer locations, drilling holes in the pipe for penetration of the feedthroughs, and measuring the as-built transducer locations. The feedthrough assembly is sealed on the pipe using an O-ring inner seal and an outer packing. No welding is required.

A special version of the 7600/7660 is available for installation on pipes where inside access is not available. With this special unit, the feedthrough section is welded directly to the pipe.

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



Typical 4-path installation of Accusonic Model 7600/7660 Transducer Assembly

HARDWARE

DESIGN SPECIFICATIONS

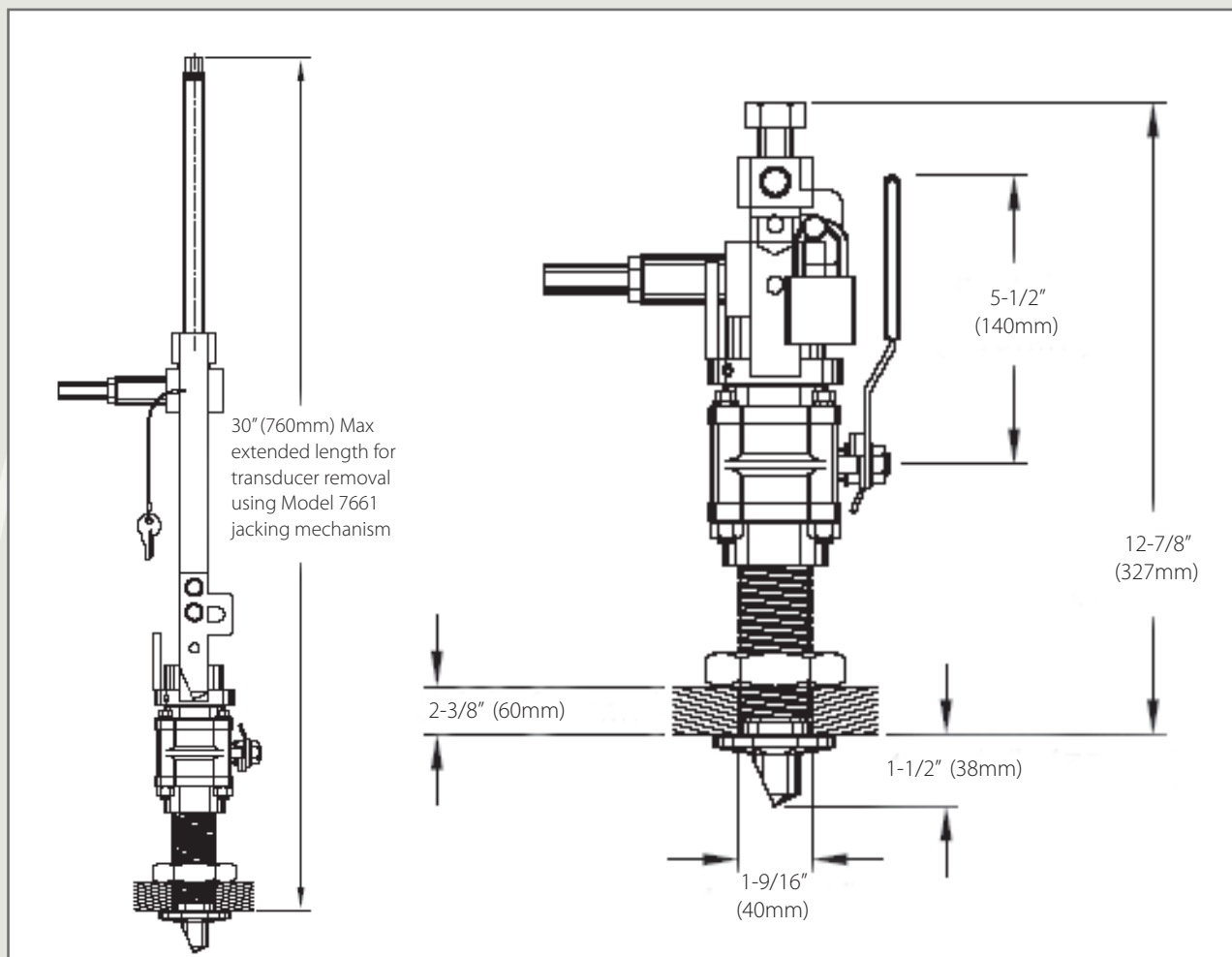
Operational Frequency:	1 MHz
Pipe Diameter:	3 ft. - 24 ft. (0.9 m - 7.50 m)
Maximum Service Pressure:	1500 psi (103 bar)
Temperature Limits:	32 to 122 F (0 to 50 C) Operating 14 to 122 F (-10 to 50 C) Storage
Construction Material:	316 SS



DIMENSIONAL DATA

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

Contact Accusonic Technologies for information on transducers recommended for specialized applications.



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