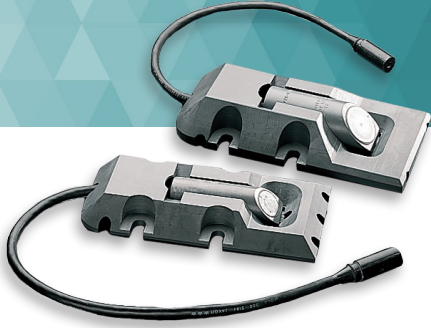


# ACCUSONIC®

## Model 7658 Transducer



### Model 7658 Transducer & Internal-Mount Assembly

The Model 7658 transducer and Model 7698 assembly feature a low-profile design, ideal for installation in open channels and buried pipes including sewers, CSO structures, and wastewater treatment plants. Constructed of all PVC, the 7658 transducer is well suited for long-term permanent installation in harsh wastewater environments. They are certified for intrinsically safe installations in NEC Class I, Divisions 1 & 2, Groups C & D locations, and ATEX requirements for Zones 0 & 1 hazardous locations, when used with approved Accusonic flowmeters.

### 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.

The Model 7658 transducer can be mounted directly to the pipe or channel walls, or can be pre-mounted on custom sliding plates or pipe sleeves. When using sliding plates or pipe sleeves, the transducers arrays are pre-mounted, and then installed via manhole or other access point. This reduces installation time and down-time of the system.

When installed in non-hazardous locations, the Model 7658 transducer serves as a low-profile option for internal mounting in clean water pipes and channels.

### Unique Features

**Flexibility:** Can be installed on bands or slides, reducing installation time. Low-profile design prevents build-up and clogging around transducer, reducing maintenance frequency

**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



7658 Transducer



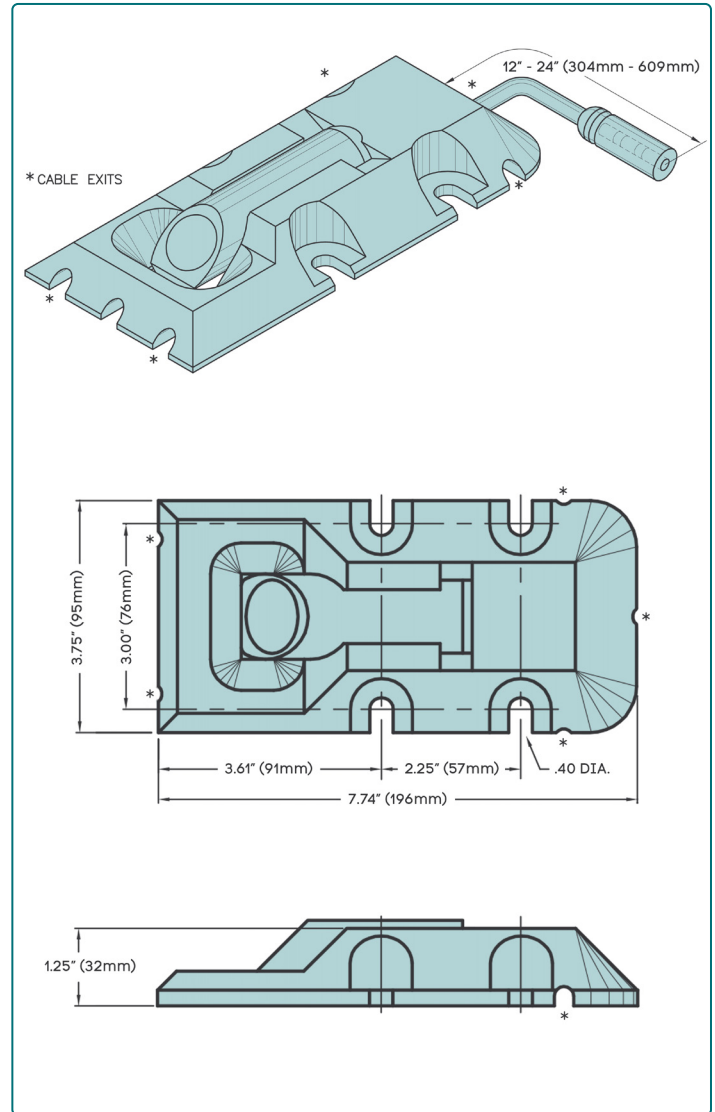
7658 Transducers Mounted on Sliding Plates



## Model 7658 Transducer

### DESIGN SPECIFICATIONS

<b>Operating Frequency</b>	500 kHz
<b>Maximum Operating Pressure</b>	250 psi (17 bar)
<b>Temperature Limits</b>	Operating: 32° to 122° F (0° to 50° C) Storage: 14° to 122° F (-10° to 50° C)
<b>Construction Material</b>	PVC (transducer and mount)
<b>Hazardous Location Rating</b>	Certified for intrinsically safe installations in NEC Class I, Divisions 1 & 2, Groups C & D locations, and ATEX requirements for Zones 0 & 1 locations, when used with approved ACCUSONIC flowmeter consoles. <b>NOTE:</b> Not approved where the vapors of ketones or esters are present.
<b>Dimensions 7658 Transducer</b>	1.375 in. Diameter (35 mm) 3.58 in. Length (91 mm)
<b>Dimensions 7698 Mounting Assembly</b>	Length: 7.74 in (196 mm) Width: 3.75 in (95mm) Height: 1.25 in (32mm)
<b>Electrical Connection</b>	Two Conductor Underwater Pluggable Neoprene Connector on Pigtail Internal-Mount



Model 7658 Transducer & Model 7698 Assembly

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

Learn more about ACCUSONIC at [www.ACCUSONIC.com](http://www.ACCUSONIC.com)  
Call: +1(256)430-3366 Email: [accusonicsales@idexcorp.com](mailto:accusonicsales@idexcorp.com)

**ACCUSONIC**  
is a brand of **ADS**