ACCUSONIC® offers a wide range of flowmeter transducers to address the diverse applications requirements of numerous industries. This broad offering allows ACCUSONIC to provide the most appropriate transducer for each application:

- Buried Pipes
- Exposed Pipes
- Open Channels
- Metal/Concrete/Plastic Walls
- Irregular Shaped Pipes & Conduits
- Bi-directional Flow Monitoring

ACCUSONIC flowmeters can achieve the best possible performance even under adverse installation and hydraulic conditions.
Below are the descriptions of ACCUSONIC’s line of acoustic flow transducers. To select a transducer type for a specific application, please contact ACCUSONIC directly for recommendations. In addition to the transducers listed below, other application-specific transducer designs are available. Detailed specification sheets for each transducer type can be found at www.ACCUSONIC.com.

### Pipelines

<table>
<thead>
<tr>
<th>Model</th>
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| 7600 / 7601 Fully Removeable Feedthrough | Used for exposed pipelines  
Completely removeable without dewatering the pipe  
Transducers are 316 SS or PVC and are used with Model 7660 or 7641 stainless steel feedthrough assemblies  
7600 rated to 1500 psi (103 bar);  
7601 rated to 450 psi (31 bar)  
Welding is optional for this installation |
| 7600 / 7601 Cold Tap | Used with Model 7664 or 7662 weld-on feedthrough assemblies  
Installation process when internal access is unavailable and pipe can be dewatered  
7600 and 7601 transducers are fully removeable after installation |
| 7601P Hot Tap | 7601P transducers with Model 7647 Corporation-Stop assembly may be utilized as a “drill and tap” installation up to approximately 200 psi (14 bar) maximum pipeline pressure  
When pipes cannot be dewatered, an integral ball-valve allows removal of transducer under pressure with positive pressure seal  
7601P certified for use in hazardous area locations |
| 7605 / 7625 Fixed Window Feedthrough | Used for exposed pipelines  
Transducer element is removeable for servicing from outside the pipe; the window is permanently fixed  
Model 7605 is stainless steel with max pressure of 2000 psi (138 bar); Model 7625 is Delrin with max pressure of 500 psi (34.5)  
No welding is required for feedthrough installation |
| 7658 and 7634 Internal Mount | For installation in buried or encased pipes  
Cable from each transducer is brought through conduit to a penetration assembly which can be located in a small area of exposed pipe  
With Model 7634 transducers, each assembly incorporates two transducer elements, two connectors and two cables, providing redundancy for hard-to-access locations  
Transducer mounts can be bolted or welded to the pipe walls, making them suitable for steel or concrete pipes |
## Transducer Overview

### Hazardous Areas / Sewers / CSOs

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<tr>
<td><strong>7658</strong>&lt;br&gt;Intrinsically Safe Low-Profile Internal Mount</td>
<td>Certified for use in hazardous area locations&lt;br&gt;These transducers are ideal for installation in sewer lines and present a low profile when used with the rugged Model 7698 mounts&lt;br&gt;7658 is also well suited for non-hazardous locations where low profile mounts are desirable</td>
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### Channels / Rectangular Conduits

#### Sleeve and Plate Arrays

- Many of ACCUSONIC’s transducers can be pre-mounted onto permanent sliding plates<br>- Reduce installation time and system down time<br>- Sliding plate arrays are useful for vertical wall or trapezoidal channels, as they allow for easy servicing without dewatering or entering the channel<br>- Sleeve inserts are used in smaller collection system lines to reduce installation time in the sewer

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<td><strong>7616 and 7658</strong>&lt;br&gt;Surface Mount</td>
<td>Used in rectangular and trapezoidal channels&lt;br&gt;Usually mounted in prefabricated arrays or on sliding plates secured to the channel wall</td>
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<tr>
<td><strong>7618</strong>&lt;br&gt;Adjustable</td>
<td>Used in vertical wall channels or intakes such as those found at low head hydro plants&lt;br&gt;The transducer element rests like an eyeball within the impact-resistant 7696 mount&lt;br&gt;The eyeball design allows easy alignment of the transducer regardless of wall shape&lt;br&gt;The 7618’s are usually mounted in arrays with integral conduit protection</td>
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### Rivers

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<tr>
<td><strong>7612</strong>&lt;br&gt;Long Path Length</td>
<td>Used in large channels, canals, and river applications&lt;br&gt;Its 200kHz frequency is well suited for path length up to 500 feet (150 meters)</td>
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ACCUSONIC takes great pride in its ability to provide superior performing flow measurement systems.

Our services reach a diverse range of industries, including the most difficult applications. We are recognized as a leader in the supply and service of transit-time flowmeters for the largest pipes and channels in the world.

Learn more about ACCUSONIC at www.ACCUSONIC.com
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