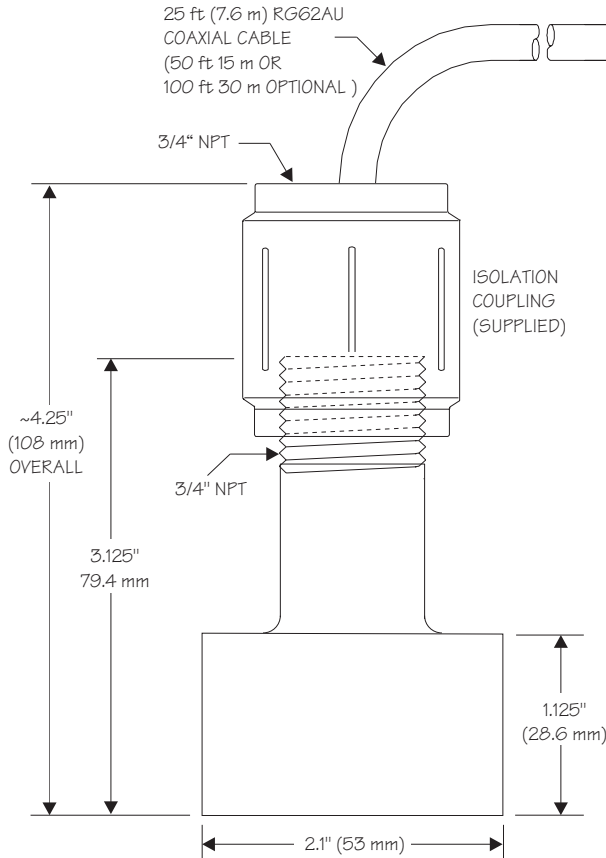


### PZ15 Sensor Specifications & Mounting



#### SPECIFICATIONS:

|                           |                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Maximum Range:            | 15 ft (4.57 m)                                                                                                            |
| Minimum Range (deadband): | 8" (203.2 mm)                                                                                                             |
| Operating Frequency:      | 92 KHz                                                                                                                    |
| Beam Angle:               | 8°                                                                                                                        |
| Operating Temperature:    | -40° To 150°F (-40° To 65°C)                                                                                              |
| Temperature Compensation: | Automatic, Continuous                                                                                                     |
| Max. Operating Pressure:  | 20 Psi (1.35 Bar)                                                                                                         |
| Sensor Face:              | PVC                                                                                                                       |
| Sensor Body:              | PVC                                                                                                                       |
| Mounting:                 | 3/4" NPT                                                                                                                  |
| Cable Length:             | 25 Ft. (7.6 M) continuous<br>RG62AU coaxial<br>[Optional 50 ft. (15 m) or<br>100 ft (30 m) continuous]                    |
| Max. Cable Length:        | 500 ft. (152 m) RG62AU<br>coaxial (splice)                                                                                |
| Hazardous Rating:         | CSA rated Intrinsically Safe<br>Class I, Groups C,D, Class II,<br>Groups E,F,G with optional<br>Intrinsic Safety Barrier. |

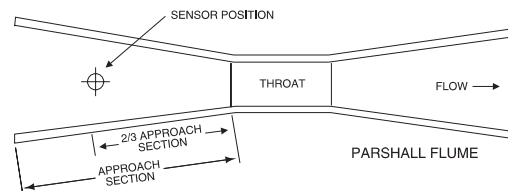
#### NOTES:

1. Shield from direct sunlight (Temp. probe in sensor).
2. Use the "Isolation Coupling" supplied for mounting. Do not clamp sensor body or stem.
3. Run sensor cable in grounded metal conduit with no other conductors.
4. Extend sensor cable with RG62AU coaxial only. Splice with terminal strip connections in recommended Junction Box.
5. Refer to the instruction manual for complete installation and wiring information.

#### SENSOR POSITION

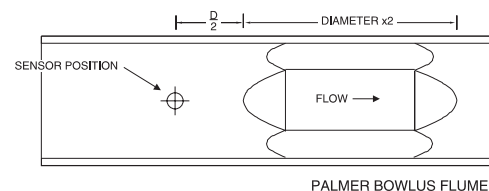
##### PARSHALL FLUME:

Position the sensor at 2/3 Approach as illustrated. Sensor height must be 8" (203.2 mm) or more above the highest water level.



##### PALMER BOWLUS & LEOPOLD LAGCO FLUMES:

Position the sensor at 1/2 the flume Diameter upstream from the throat of the flume. Sensor height must be 8" (203.2 mm) or more above the highest water level.



##### V-NOTCH & RECTANGULAR WEIRS:

Position the sensor at 3 x maximum Head upstream from the weir plate. Sensor height must be 8" (203.2 mm) or more above the highest water level.

