

PAR1418

Features:

- Rugged Teflon® housing with Aluminum sensing face
- BNC quick disconnect
- Ideal for use in chemically aggressive environments
- Exponential horn to decrease beam width and increase range

Applications:

- Level measurement
- Open channel flow
- Obstacle avoidance
- Proximity

Options:

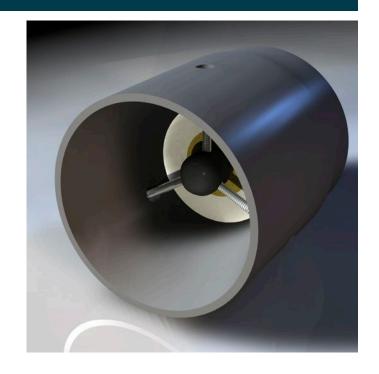
Thermistors are available for temperature compensation

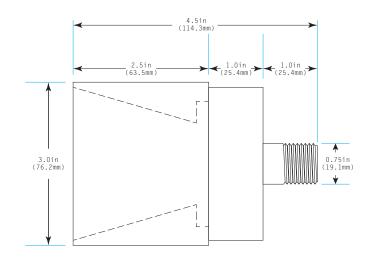
Specifications:

Best Operating Frequency	14.6kHz +/- 4%
Min Receive Sensitivity ¹ Insertion loss at 50"	-59 dB
Impedance (Min parallel resistance)	10kΩ +/- 30%
Free (1kHz) Capacitance	2300pF +/- 500pF
Min/Max Sensing Range ²	2' – 150'
Beamwidth:	18° +/- 2°
(-3dB full angle)	5° w/ horn
Maximum Driving Voltage: (2% duty cycle tone burst)	150Vp-p
Operating Temperature:	-17.8°C – 57.2°C

All specifications typical at 22°C (71.6°F)

- ¹By comparing input drive voltage to return echo at 1m. With 30 drive cycles.
- ² Pulse-Echo Mode. Min. and Max. ranges are best case scenarios. Actual range may vary, depending on drive circuitry and signal processing.
- ®Teflon is a registered trademark of E. I. du Pont de Nemours and Company.
- ™Parsonics is a trademark of Parsonics Corporation.





 $(0^{\circ}F - 135^{\circ}F)$