



Oscilent Corporation

# PRODUCT SPECIFICATION

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Oscilent Controlled Document

Ordering Code / Part Number	Product Description
1401-2000-500	Piezoelectric Ultrasonic Liquid Media Sensor



## Contents

- o Dimensions
- o Environmental Specifications
- o Electrical Specifications

## Applications

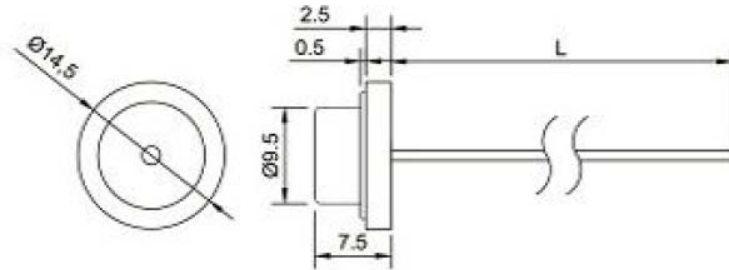
- o Ultrasonic heat meters
- o Water meters
- o Gas meters



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## Dimensions



## Environmental Specifications

Parameters Description	Unit			
Operating Temperature	°C	+4	~	+80
Storage Temperature	°C	-20	~	+85

Applicable to homogeneous liquid media measurement, including water speed detection, objects distance measurement and obstacle detection.

## Electrical Specifications

Parameters Description	
Nominal Frequency	2000 ±200kHz
Instantaneous Drive Voltage Max.	220V
Paired Sensitivity	Receiving signal 500mV min when measured peak to peak when driven with 10 cycle burst 3.0V (Vp-p) at 2MHz across a 110mm range.
Bandwidth (-3dB)	500kHz
Capacitance	700 ±20%pF
Impedance (2MHz) Zr	350 Ω max
Insulation Resistance (250V)	1 GΩ min.

\* Transducer specification at 25 ±3°C and 40%~70% R.H. in water