

ultraSV OEM Sound Velocity Sensor

ultra-fast, ultra-compact, ultra-dependable. The next generation of sound velocity sensor.

Redesigned from the connector up, the ultraSV offers a truly smart and exchangeable sound velocity sensor without compromise.

Ideally suited to system integrators and OEM applications, the ultraSV is a truly exchangeable SV sensor with all critical electronics contained within the housing.

Each sound velocity measurement is made using a single pulse of sound travelling over a known distance, so is independent of the inherent calculation errors present in all CTDs. Our unique digital signal processing technique virtually eliminates signal noise, and gives almost instantaneous response; the digital measurement is also entirely linear, giving predictable performance under all conditions.

DATA SHEET

Product Details



SOUND



VALEPORT TERMINAL SOFTWARE

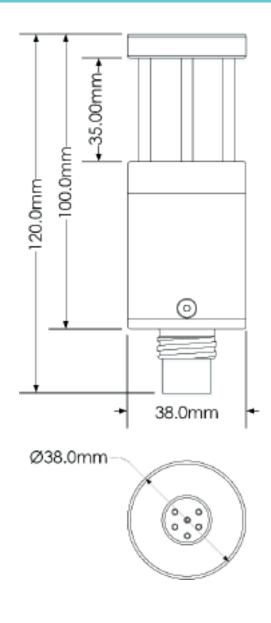


PHONE: 02 479 2703 FAX: 02 479 2705

Website: www.tkec.co.kr



Performance Range 1375 – 1900 m/s Resolution 0.000 m/s Accuracy ±0.020 m/s Sample Duration -30 μS @1500 m/s Duration Up – 300 Hz Electrical Voltage 5V DC regulated ±3% Power < 250 mW Connector SubConn MCBH6F Communications Output RS485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Physical Depth Rating 5ize 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Titanium Transducer Window Titanium Sensor Legs Carbon Composite Reflector Plate		
Resolution 0.001 m/s Accuracy ±0.020 m/s Sample Duration	Performand	ce
Accuracy ±0.020 m/s Sample Duration ~30 µS @1500 m/s Electrical Voltage 5V DC regulated ±3% Power <250mW Connector SubConn MCBH6F Communications Output R5485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Proprietary NMEA string Physical Depth Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Transducer Window Sensor Legs Carbon Composite Reflector Plate	Range	1375 – 1900 m/s
Sample Rate Up - 300 Hz Electrical Voltage SV DC regulated ±3% Power < 250mW Connector SubConn MCBH6F Communications Output R5485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Physical Depth Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Transducer Window Transducer Window Sensor Legs Carbon Composite Reflector Plate I Itanium Titanium Reflector Plate	Resolution	0.001 m/s
Sample Rate Flectrical Voltage SV DC regulated ±3% Power < 250mW Connector SubConn MCBH6F Communications Output RS485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Proprietary NMEA string Physical Physical Depth Rating Size 38mmØ x 120mm (including connector) Weight < 0.3 kg in air Housing & Bulkhead Transducer Window Sensor Legs Carbon Composite Reflector Plate Titanium	Accuracy	±0.020 m/s
Electrical Voltage 5V DC regulated ±3% Power < 250mW Connector SubConn MCBH6F Communications Output RS485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Proprietary NMEA string Physical Depth Rating 200m Rating 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Titanium Bulkhead Titanium Sensor Legs Carbon Composite Reflector Plate		~30 µS @1500 m/s
Voltage 5V DC regulated ±3% Power < 250mW Connector SubConn MCBH6F Communications Output RS485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Proprietary NMEA string Physical Depth Rating Size 38mmØ x120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Transducer Window Sensor Legs Carbon Composite Reflector Plate Titanium Titani		Up - 300 Hz
Power < 250mW Connector SubConn MCBH6F Communications Output RS485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Proprietary NMEA string Physical Depth Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Transducer Window Sensor Legs Carbon Composite Reflector Plate	Electrical	
Communications Output RS485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Proprietary NMEA string Physical Depth Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Transducer Window Sensor Legs Carbon Composite Reflector Plate	Voltage	5V DC regulated ±3%
Communications Output RS485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Proprietary NMEA string Physical Depth Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Transducer Window Sensor Legs Carbon Composite Reflector Plate	Power	< 250mW
Output RS485\TTL Protocol 4800 - 230400 baud (8,1,N) Format Proprietary NMEA string Physical Depth Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Titanium Transducer Window Titanium Sensor Legs Carbon Composite Reflector Plate Titanium	Connector	SubConn MCBH6F
Protocol 4800 - 230400 baud (8,1,N) Format Proprietary NMEA string Physical Depth Rating 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Titanium Transducer Window Sensor Legs Carbon Composite Reflector Plate	Communications	
Physical Depth Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Bulkhead Transducer Window Sensor Legs Carbon Composite Reflector Plate	Output	RS485\TTL
Physical Depth Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Titanium Transducer Window Sensor Legs Carbon Composite Reflector Plate	Protocol	4800 - 230400 baud (8,1,N)
Depth Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Titanium Transducer Window Sensor Legs Carbon Composite Reflector Plate	Format	Proprietary NMEA string
Rating Size 38mmØ x 120mm (including connector) Weight <0.3 kg in air Housing & Titanium Transducer Window Sensor Legs Carbon Composite Reflector Plate	Physical	
(including connector) Weight <0.3 kg in air Housing & Titanium Bulkhead Titanium Transducer Window Sensor Legs Carbon Composite Reflector Plate		200m
Housing & Bulkhead Transducer Window Sensor Legs Carbon Composite Reflector Plate Titanium	Size	
Bulkhead Transducer Window Sensor Legs Carbon Composite Reflector Plate Titanium	Weight	<0.3 kg in air
Sensor Legs Carbon Composite Reflector Plate Titanium		Titanium
Reflector Titanium Plate		Titanium
Plate	Sensor Legs	Carbon Composite
Ordering		Titanium
	Ordering	
ultraSV 06520550 -TTL- F (Female Connector) 06520550-TTL-M (Male Connector) 06520550-RS485	ultraSV	06520550-TTL-M (Male Connector)







All systems supplied with a manual no cables are supplied.
Contact Valeport for options

Note