

Factory and Test Certificate



Date of report: 12.06.2019
Reference: 2019-02287

Filled by: O.Glushko
Tested by: E. Kebkal

Product Description

Product name: S2C M 18/34 Hydroacoustic mini-Modem
Serial Number: 1834/19#190/11
Interfaces:
1. Ethernet 192.168.0.190
2.
3.
Firmware: v2.0.1-1
Housing Material: Delrin
Maximum depth (m): 200
Transducer type: 18/34
Maximum depth (m): -

Installed Options

- ☐ Acoustic wake-up module
☐ AHRS
☐ Data logger
☐ Additional virtual data channels
☒ Distance and speed measurement
☐ USBL Antenna
☐ Opto-coupler
☐ Sensor integration
Local address: 4
Remote Address: 0
Sensor name:

Other/
Comments

Reworked: SDM (Software Defined Modem) functionality enabled;
IP reset to factory settings.
32 GB microSD card installed

Tests Conducted

	Test	Value	Status
<input checked="" type="checkbox"/>	Source Level (SrcLev=0), dB re 1 uPa @ 1 m	185,53	OK
<input checked="" type="checkbox"/>	Frequency Range, kHz	18-34	OK
<input checked="" type="checkbox"/>	Power consumption Rx Mode, W	1,30	OK
<input checked="" type="checkbox"/>	Power consumption Tx Mode, W	55,50	OK
<input type="checkbox"/>	Power consumption WakeUp Idle Mode, mW		
<input type="checkbox"/>	Power consumption WakeUp Active Mode, mW		
<input checked="" type="checkbox"/>	Data Transmission, kbps	13,9	OK
<input checked="" type="checkbox"/>	Vacuum test, bar	-0,8	OK
<input checked="" type="checkbox"/>	Pressure test, bar	20	OK
<input type="checkbox"/>	Boot time (wake-up module), ms		
<input checked="" type="checkbox"/>	Noise level, dB	-103	OK

Connector Configuration

Data/Power Eth			
Description	PIN	Description	PIN
TxD+OUT	1		
TxD-OUT	2		
RxD+IN	3		
RxD-IN	4		
V+ (24V)	5		
V- (Power_GND)	6		
POWER ON	7		
NC	8		
Subconn FCR1508M		not installed	

Signed by

Sergey Yakovlev

Company Stamp