



MX2001-04-SS • MX2001-01-SS • MX2001-02-SS • MX2001-03-SS • MX2001-04-TI • MX2001-01-TI

HOBO???????

??????

??Windows????????????????????

Important Information

??HOBObconnect?????CABLE-DR-xxx????????????????????“????”??????? Get cloud storage and access to the powerful tools of LI-COR Cloud® IoT software! (formerly HOBOLink) Add an MX Data Plan!



Compatible with
HOBObconnect® ????
LI-COR Cloud® MX ?????

Supported Measurements

??, ??, ??

Features

- ?????????????????????Windows???
- ????????????????????
- ???????????????????/???
 - ????????????
 - ????????????????????????
 - ??????????????????0.39?
 - ??????????????????3%
 - 1??2??5??10??15??30??60????????????????????1?2?
- ????????????????
- ??HOBObconnect?????????????????
- ?????????????????AA????
- ??????????????????????????????????
- ??????????
- ??????????????????
- ??????????3?NIST?????????

What's in the box

- HOBO MX2001 ???——???????
- ??AA 1.5 V??

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532

HOBO???????? (MX2001) Specifications

???????????? MX2001-01-SS-S ? MX2001-01-Ti-S

????	0?207?????????0?9?????????3000??0?12??? (0?30?/?????????????????????0?30?????????10,000?????????0?40?????)
??????	69?207???0°?40°C (10?30?????????????32?????104????)
????	310???18??? (45?/?????????60????)
????*	?????±0.05%????0.5???? (?????±0.05% ?????0.015 ????) ?????±0.1% ?????1.0 ??? (?????±0.1% ?????0.03 ????)
??????**	±0.3% ?????0.62 kPa ??? (±0.3% ?????0.09 ??????????)
??	<0.02 ???0.21 ??? (<0.003 ?/?????0.007 ????)
?????? (90%)*	<1 second at a stable temperature

???????????? MX2001-02-SS-S

????	0?400??; (0?58?????????????) ??????0?30.6?????????3000??0?33.6??? (??????0?100?????????10,000?????0?111?????)
??????	69?400???0°?40°C (10?58?/?????????32?????104????)
????	500 ??? 40.8 ??? (72.5 ?/????????? 134 ????)
????*	?????±0.05% ???1.5???? (?????±0.05%?????0.05?????) ?????±0.1%????3.0???? (?????±0.1%?????0.1?????)
??????**	±0.3% ???1.20 ?????? (±0.3% ?????0.17 ?/?????????)
??	<0.04 ???0.41 ??? (<0.006 ???????0.013 ????)
?????? (90%)*	<1 second at a stable temperature

???????????? MX2001-03-SS-S

????	0?850 kPa??????0?76.5?????????3000??0?79.5??? (0?123.3?/?????????????????0?251?????????10,000??????0?2?)
??????	69?850???0°?40??? (10?123.3?????????????32?????104????)
????	1200???112??? (174 psia?368????)
????*	?????±0.05% ???3.8 ??? (?????±0.05% ?????0.125 ????) ?????±0.1% ???7.6???? (?????±0.1% ?????0.25?????)
??????**	±0.3% ???2.55??????? (±0.3% ?????0.37 ??????????)
??	<0.085 ???0.87 ??? (<0.012 ?/?????0.028 ????)
?????? (90%)*	<1 second at a stable temperature

???????????? MX2001-04-SS-S ? MX2001-04-Ti-S

????	0?145????????????0?4?????????3000??0?7??? (0 ? 21 ?/????????????????????? 0 ? 13 ?????????? 10,000 ??? 0 ? 2?)
??????	69?145???0°?40??? (10 ? 21 ?????????????32°?104????)
????	310???18??? (45 psia ? 60 ????)
????*	?????±0.075% ?????0.3???? (?????±0.075% ?????0.01 ????) ?????±0.15%????0.6???? (?????±0.15% ?????0.02 ????)
??????**	±0.3% ?????0.43 ?????? (±0.3% ?????0.063 ??????????)
??	<0.014 ???0.14 ??? (?0.002 ?/?????0.005 ????)
?????? (90%)*	<1 second at a stable temperature

?? (MX2001-TOP)

????	66?107?? (9.57?15.52???????????)
??????	-20?50°C (-4 ? 122 ???)
???	????????????±0.2 kPa????±0.5% ??? (????????????±0.029 ?/????????±0.5% ???)
????*	????±0.075% ???0.3 ??? (????±0.075%???0.01????) ????±0.15% ???0.6???? (????±0.15% ???0.02 ???)
??	??0.01?? (<0.0015 ?/????)
????	<1 second at stable temperature
???????	??0.01??/? (<0.0015 ????????)

???????????????? MX2001-0x-SS-S ? MX2001-0x-Ti-S?

????	-20°C?50°C (-4????122???)
???	?0°C?50°C???±0.44°C????????? (±0.79????32????122?????????????)
??	25°C?20.1°C????????? (0.18????77?????????????)
???? (90%)	5 minutes in water (typical)
???????	??0.1??? (??0.18???)

?????

????	-20°?50°C (??4????122???)
?????	1?? (0 ????)
????	??30.5??? (??100???)
??????	Bluetooth Low Energy (Bluetooth Smart®)
??????	1 second to 18 hours
????	Fixed interval, multiple intervals with up to 8 user-defined logging intervals and durations, or burst
????	Wrap when full or stop when full
????	Immediate, date & time, or next interval
????	When memory full, date & time, or after a set logging period
?????	??±1?? 0°C?50°C (??±1?? 32????122???)
??	Two AA, 1.5 V alkaline batteries, user replaceable
??????	1 year, typical with logging interval of 1 minute. Faster logging and/or statistics sampling intervals, entering burst logging mode, excessive readouts, checking of Full Status Details, and remaining connected with the app will impact battery life.
??	256 KB memory (30,000 sets of measurements)
????????	Approximately 2 minutes; may take longer the further the device is from the top end of the logger
??	???MX2001-TOP???2.54???1.0?????28.9???11.4????????7.6???0.3???? ?????MX2001-0x-SS-S ? MX2001-0x-Ti-S???2.54???1.0?????9.91???3.9???? ?????????CABLE-DR- xxx?????????????0%?+3%??10???3.9????????????????38.8???15.3????
??	Top end (MX2001-TOP): Approximately 136 g (4.78 oz) in air Stainless sensor end (MX2001-0x-SS-S): Approximately 141.4 g (4.99 oz) in air; approximately 93.4 g (3.3 oz) in fresh water Titanium sensor end (MX2001-0x-Ti-S): Approximately 80 g (2.83 oz) in air; approximately 37 g (1.3 oz) in fresh water
????	Top end (MX2001-TOP): PVC housing, Polycarbonate end cap, Viton O-ring Stainless sensor end (MX2001-0x-SS-S): Stainless steel housing, Viton and Buna-N O-rings, ceramic sensor in stainless steel end cap Titanium sensor end (MX2001-0x-Ti-S): Acetal housing, Viton and Buna-N O-rings, ceramic sensor in Titanium end cap Cable (CABLE-DR-XXX): Polycarbonate strain relief (top end connection), PVC end cap (sensor connection), nylon collar nuts, Viton O-rings, polyurethane jacket
????	Top end: NEMA 6, IP67; Intermittent 100% RH Sensor end: IP68

??

- *

Water Level Accuracy: With accurate reference water level measurement, known water density, and a stable temperature environment. System Water Level Accuracy equals the sum of the Barometric Water Level Accuracy plus the selected sensor end Water Level Accuracy.
- **

Raw Pressure Accuracy: Absolute pressure sensor accuracy includes all sensor drift, temperature, and hysteresis-induced errors.
- ***

Changes in Temperature: Allow 20 minutes in water to achieve full temperature compensation of the pressure sensor. There can be up to 0.5% of additional error due to rapid temperature changes. Measurement accuracy also depends on temperature response time.

