

Calibration Certificate

Company: Lontek Datalogging and Portable Measuring Instruments
20 Brook RD
Glenbrook NSW 2773

Report No.: 20028-1
Asset No.: -

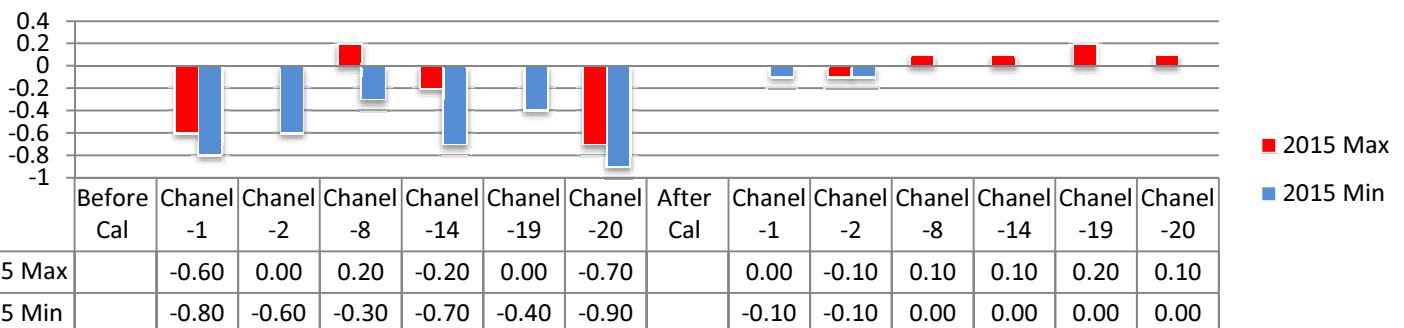
a **Instrument:** Datalogger
b **Make:** Graphtec
c **Model:** Midi Logger GL820
d **Type:** Digital
e **S/N:** 1304790
f **Range:** See Page 2
g **Accuracy ±:** 0.2 Deg C
h **Calibration Interval:** 12 months
i **Calibration Date:** 25-Aug-15
j **Calibration Due Date:** 25-Aug-16
k **Temperature & RH:** 22 deg C 45%

l **Adjustments:** Yes
m **Repair:** See Page 2 for before Cal and After Cal Reading
n **Test Result:** See Page 2
o **Condition:** Unit is in good working condition.

p **Remarks:** The unit has been tested and it is working within manufacturer's specification.

q **Traceability:** Zenith Equip#: Z008 Z062
r S/N: 7000016 992812076
s Cal.Report No.: NC 13-35350SC NC 14.35188
t NATA ISO 17025 2005

Performance Trend:



u **Calibration Engineer:** **Bipin Gadhavi**



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Asset No.: -

Physical condition: Good

Before Cal

Test: Chanel-1 **Deg C** **Accuracy ± :** 0.2 Deg C

Unit	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	-0.6	-0.2	0.2	-0.60	Fail
Deg C	20.0	19.2	19.8	20.2	-0.80	Fail
Deg C	25.0	24.3	24.8	25.2	-0.70	Fail
Deg C	30.0	29.3	29.8	30.2	-0.70	Fail

Test: Chanel-2 **Deg C** **Accuracy ± :** 0.2 Deg C

Chanel	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	-0.6	-0.2	0.2	-0.60	Fail
Deg C	20.0	19.9	19.8	20.2	-0.10	Pass
Deg C	25.0	24.9	24.8	25.2	-0.10	Pass
Deg C	30.0	30.0	29.8	30.2	0.00	Pass

Test: Chanel-8 **Deg C** **Accuracy ± :** 0.2 Deg C

Unit	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	-0.3	-0.2	0.2	-0.30	Fail
Deg C	20.0	20.0	19.8	20.2	0.00	Pass
Deg C	25.0	25.1	24.8	25.2	0.10	Pass
Deg C	30.0	30.2	29.8	30.2	0.20	Pass

Test: Chanel-14 **Deg C** **Accuracy ± :** 0.2 Deg C

Chanel	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	-0.7	-0.2	0.2	-0.70	Fail
Deg C	20.0	19.7	19.8	20.2	-0.30	Fail
Deg C	25.0	24.8	24.8	25.2	-0.20	Pass
Deg C	30.0	29.8	29.8	30.2	-0.20	Pass

Test: Chanel-19 **Deg C** **Accuracy ± :** 0.2 Deg C

Unit	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	-0.4	-0.2	0.2	-0.40	Fail
Deg C	20.0	19.9	19.8	20.2	-0.10	Pass
Deg C	25.0	24.9	24.8	25.2	-0.10	Pass
Deg C	30.0	30.0	29.8	30.2	0.00	Pass

Test: Chanel-20 **Deg C** **Accuracy ± :** 0.2 Deg C

Chanel	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	-0.8	-0.2	0.2	-0.80	Fail
Deg C	20.0	19.1	19.8	20.2	-0.90	Fail
Deg C	25.0	24.2	24.8	25.2	-0.80	Fail
Deg C	30.0	29.3	29.8	30.2	-0.70	Fail

Form: Datalogger_V1

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Physical condition: Good

After Cal

Test: Chanel-1 **Deg C** **Accuracy ±:** 0.2 Deg C

Unit	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	-0.1	-0.2	0.2	-0.10	Pass
Deg C	20.0	20.0	19.8	20.2	0.00	Pass
Deg C	25.0	25.0	24.8	25.2	0.00	Pass
Deg C	30.0	29.9	29.8	30.2	-0.10	Pass

Test: Chanel-2 **Deg C** **Accuracy ±:** 0.2 Deg C

Chanel	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	-0.1	-0.2	0.2	-0.10	Pass
Deg C	20.0	19.9	19.8	20.2	-0.10	Pass
Deg C	25.0	24.9	24.8	25.2	-0.10	Pass
Deg C	30.0	29.9	29.8	30.2	-0.10	Pass

Test: Chanel-8 **Deg C** **Accuracy ±:** 0.2 Deg C

Unit	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	0.0	-0.2	0.2	0.00	Pass
Deg C	20.0	20.0	19.8	20.2	0.00	Pass
Deg C	25.0	25.1	24.8	25.2	0.10	Pass
Deg C	30.0	30.0	29.8	30.2	0.00	Pass

Test: Chanel-14 **Deg C** **Accuracy ±:** 0.2 Deg C

Chanel	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	0.1	-0.2	0.2	0.10	Pass
Deg C	20.0	20.2	19.8	20.2	0.20	Pass
Deg C	25.0	25.1	24.8	25.2	0.10	Pass
Deg C	30.0	30.1	29.8	30.2	0.10	Pass

Test: Chanel-19 **Deg C** **Accuracy ±:** 0.2 Deg C

Unit	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	0.0	-0.2	0.2	0.00	Pass
Deg C	20.0	20.1	19.8	20.2	0.10	Pass
Deg C	25.0	25.1	24.8	25.2	0.10	Pass
Deg C	30.0	30.0	29.8	30.2	0.00	Pass

Test: Chanel-20 **Deg C** **Accuracy ±:** 0.2 Deg C

Chanel	Master	U.U.T.	Low	High	Error	Pass/Fail
Deg C	0.0	0.0	-0.2	0.2	0.00	Pass
Deg C	20.0	20.1	19.8	20.2	0.10	Pass
Deg C	25.0	25.1	24.8	25.2	0.10	Pass
Deg C	30.0	30.0	29.8	30.2	0.00	Pass

Form: Datalogger_V1