



EU Declaration of Conformity

We: Quantum Northwest, Inc.
Of: 22910 E Appleway Ave, Suite 4
Liberty Lake, WA 99019-8606
USA

Comply with the essential requirements of the following applicable European Directives:

Electromagnetic Compatibility (EMC) Directive 2014/30/EU
See page 2 (From CKC Laboratories, Inc. Report)

Low-Voltage Directive 2014/35/EU
See Page 3 (From Pulver Laboratories Inc. Report)

RoHS 2 Directive 2011/65/EU including Amendment (EU) 2015/863
See page 4

I hereby declare the equipment TC 1 and cell holder models (see page 5) have been assessed and found to comply with the relevant sections of the above-referenced specifications, and I am the person authorized to compile the technical documentation.

Signed by:

Name: Steve Turpin
Position: COO, Quantum Northwest, Inc.
Date: October 21, 2022 Liberty Lake,
Location: Washington, USA

SUMMARY OF RESULTS

Test Procedure/Method	Description	Modifications*	Results
EN 61326-1 (2013) Group 1 Class A	Conducted Emissions	NA	Pass
EN 61326-1 (2013) Group 1 Class A	Radiated Emissions	NA	Pass
EN 61000-3-2 (2014)	Harmonic Emissions	NA	Pass
EN 61000-3-3 (2013) ¹	Voltage Fluctuations & Flicker Emissions	NA	Pass
EN 61000-4-2 (2009)	Electrostatic Discharge	NA	Pass
EN 61000-4-3 (2006) +A1+A2	Radiated Immunity	NA	Pass
EN 61000-4-4 (2004) +A1	Electrical Fast Transient Burst	NA	Pass
EN 61000-4-5 (2006)	Surge	NA	Pass
EN 61000-4-6 (2009)	Conducted Immunity	NA	Pass
EN 61000-4-8 (2010)	Magnetic Immunity	NA	NA
EN 61000-4-11 (2004)	Voltage Dips & Interrupts	NA	Pass

NA= Not applicable

¹The AC mains current harmonics and voltage flicker test requirements are derived from European Union CE mark directives.

Modifications*/Conditions During Testing

This list is a summary of the conditions noted for or modifications made to the equipment during testing.

Summary of Conditions
No modifications were made to the EUT during testing.

***Modifications listed above must be incorporated into all production units.**

TITLE: PLI Evaluation Report (Regulatory Information)
DRAWING: Q551703W.01.DWG.doc
BY: Jessica Hayes and Lee Pulver
NOT COMPANY CONFIDENTIAL AND NON-PROPRIETARY

Page 9 of 10
Issued: 14 September 2016
Approved: Lee Pulver

Copyright © 2016 Pulver Laboratories Inc. All rights reserved

Declaration of Conformity

Manufacturer's Name: Quantum Northwest Inc.

Manufacturer's Address: 22910 E Appleway Avenue Suite 4
Liberty Lake, WA 99019-8606
www.qnw.com

declares that the product

Product Name: Temperature Controller

Model Name: Dual Peltier Temperature Controller

Model Number: TC 1 Dual

Product Options: All

conforms with the essential requirements of the following product specifications

Safety: EN 61010-1:2011 (ISO and ÖNORM Standard)
IEC 61010-1. Edition 3.0: 2013.

Supplementary Information:

Pulver Laboratories Inc. Certificate of Conformance Q551701WC.DoC

The product herewith complies with the essential requirements of the following Directives and exhibits the CE mark accordingly:

General Product Safety
Low-Voltage

Directive **2001/95/EC**
Directive **2014/35/EU**

Issued: 12 September 2016

For Compliance Information ONLY, contact:

Australian Contact: Quantum Northwest Inc., Office of the Quality Manager, 22910 E Appleway Avenue Suite 4, Liberty Lake, WA 99019-8606 USA. www.qnw.com

European Contact: Quantum Northwest Inc., Office of the Quality Manager, 22910 E Appleway Avenue Suite 4, Liberty Lake, WA 99019-8606 USA. www.qnw.com

USA Contact: Quantum Northwest Inc., Office of the Quality Manager, 22910 E Appleway Avenue Suite 4, Liberty Lake, WA 99019-8606 USA. www.qnw.com

Evaluation Laboratory: Pulver Laboratories Inc., /Lee Pulver/, Office of the President,
320 North Santa Cruz Avenue, Los Gatos, California 95030-7247 USA.
www.PulverLabs.com

PLI5W.27.FRM

ROHS CERT in Hand	ROHS CERT Online	Part	ROHS CERT LINK
	X	TC-1 Circuit Board	http://www.deltacircuits.com
	X	AC Module	https://www.qualtekusa.com
	X	Probe Connector	https://www.digikey.com/
	X	Pump Connector	https://www.cuidevices.com
	X	Fan	http://portal.sunon.com
	X	Fan grill	https://www.qualtekusa.com
	X	Mosfet	https://www.mouser.com
	X	Fuse Box	https://titan-interconnect.com
	X	LCD Display	https://newhavendisplay.com
	X	Power Supply	https://www.meanwellusa.com
	X	Enclosure	https://www.bopla.de/information
	X	3D Printed Items	https://drive.google.com
	X	Peltier Device	https://cdn2.hubspot.net
	X	Booster Resistor	https://riedon.com
	X	SST Fitting	https://www.datasheets
	X	Temp Sensor	https://www.ti.com
	X	Lenses	https://cdn.shopify.com
	X	Cable Connector	https://www.jameco.com
	X	Bulkhead Water Fitting	https://www.beswick.com
	X	Bulkhead Gas Fitting	https://www.mcmaster.com
x		Machined Plastics	Batched plastic - Vendor DOC
X		Machined Aluminum	Batched metals - Vendor DOC
X		Machined Brass	Batched metals - Vendor DOC
x		Sheet metal	Batched metals - Vendor DOC
X		Fasteners screws ect.	McMaster-Carr - Vendor DOC
	X	Internal Wiring	alphawire.com
X		Front panel overlay	UL Authorized vendor - Vendor DOC
	X	Device Cable	https://www.awcwire.com
	X	Cable Connector Shell	https://www.jameco.com
X		Pump 12Volt	CE certified
	X	Plastic hoses/tubing	https://www.mcmaster.com
	X	Ac cord	https://www.jameco.com
	X	USB cable	https://www.jameco.com
X		Water bucket	NSF Listed - https://www.webstaurantstore.com
	X	Stepping motors	https://www.anaheimautomation.com
X		Wire Terminals	McMaster-Carr - Vendor DOC



TC 1 Cell Holders

TC 1 w/ CD 250™	TC 1 w/ qX2x2™
TC 1 w/ CD 350™	TC 1 w/ qX3™
TC 1 w/ Cyl 100™	TC 1 w/ t2 Sport™
TC 1 w/ Flash 300™	TC 1 w/ t2x2 Sport™
TC 1 w/ Luma 40™	TC 1 w/ Brr 20™
TC 1 w/ qpod®	TC 1 w/ Brr 30™
TC 1 w/ QUANTICS™	TC 1 w/ Turret 4™
TC 1 w/ qX2™	TC 1 w/ Turret 6™
TC 1 w/ qX-Ray 1000™	TC 1 w/ SuperNeutron 600

Note: Cell holders have a water bath connected during testing.