

Waters Pacific Pte Ltd

1 Science Park Road, #02-08 The Capricorn, Singapore Science
Park II, Singapore 117528

X	Original (please process)
	Confirming (do not duplicate)
X	Quote Attached
Purchase Order Number	
WPPL-OP-004	

Supplier	
National Instruments Singapore (Pte) Ltd	
Westgate Tower, 1 Gateway Drive, #08-01, Singapore 608531	
Fax Number: +65 6226 5887	
Phone:	+65 6226 5886

Requested by:	Luo HuaZhen	Tel	6593.7044
Date:	15.Feb.21	Mail Stop	
Deliver to:		Ext.	
Department:	WPPL	Mail Stop	
Ship to Location:	1 Science Park Road,#02-08 The Capricorn, Singapore Science Park II, S 117528		

P.O. Date		Delivery Date		Terms	Taxable	Freight		F.O.B		Ship Via	Confirming to	Buyer
15.Feb.21				30 Days							Wilbur He	Luo HuaZhen
Item	Qty	U/M	Manufacturer's Part Number	Description				Unit Price	Total Price (SGD)	G/L Account Number (Financial Line/Account No.)	CEA Number	
1	2	EA	180524-20	NB1 Ribbon Cable, 2 m				\$ 104.00	\$ 197.60			
3	2	EA	763061-02	X2 GPIB Cable,Double-Shielded,Shielded Plug/Receptacles,2 m				\$ 210.00	\$ 399.00			
4												
5												
6												
7												
8												
9				Kindly quote our PO number on all your documents.								
10												
11												
12												
13												
14												
15												
Grand Total - SGD									\$596.60			

Remarks

NI cables for PCM_TCM new tester PC set up; Revised PO based on new quotation from National Instrument.

Approvals

1.

Edwin Koh, Snr Operations Manager

2.

Alan Tan, Snr Finance Manager

Purchasing Copy

From: [Alan Tan](#)
To: [Edwin Koh](#); [HuaZhen Luo](#)
Cc: [Christine Zhao](#); [Sue Jin Ng](#)
Subject: RE: PCM PC setup
Date: Friday, 15 January, 2021 09:52:23
Attachments: [image004.png](#)

approved

From: Edwin Koh <Edwin_Koh@waters.com>
Sent: Friday, 15 January, 2021 09:09
To: [HuaZhen Luo](#) <HuaZhen_Luo@waters.com>; [Alan Tan](#) <Alan_Tan@waters.com>
Cc: [Christine Zhao](#) <Christine_Zhao@waters.com>; [Sue Jin Ng](#) <Sue_Jin_Ng@waters.com>
Subject: RE: PCM PC setup

Approved per request

From: [HuaZhen Luo](#) <HuaZhen_Luo@waters.com>
Sent: Thursday, January 7, 2021 15:06
To: [Edwin Koh](#) <Edwin_Koh@waters.com>; [Alan Tan](#) <Alan_Tan@waters.com>
Cc: [Christine Zhao](#) <Christine_Zhao@waters.com>; [Sue Jin Ng](#) <Sue_Jin_Ng@waters.com>
Subject: FW: PCM PC setup

Hi Edwin/Alan,

We need the cables from National Instrument for TCM_PCM tester set up in CEI.
Please kindly review and approve this purchase to complete set up.

Thank you

Luo HuaZhen
Senior Test Engineer

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[W] www.waters.com
[E] huazhen_luo@waters.com



Waters Pacific Pte Ltd
1 Science Park Road
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Singapore Science Park II
Singapore 117528

From: Matt Brule <Matt_Brue@waters.com>
Sent: Thursday, 10 December, 2020 21:37
To: [Bill Bates](#) <Bill_Bates@waters.com>; [HuaZhen Luo](#) <HuaZhen_Luo@waters.com>
Cc: [Edwin Koh](#) <Edwin_Koh@waters.com>; [Eugene Lim](#) <Eugene_Lim@waters.com>
Subject: RE: PCM PC setup

HuaZhen,

Are you able to order from National Instruments locally? If so both cables are available from them and this is likely the quickest and easiest way to get them. If not, let us know and we will figure out somewhere else or see if we can provide them.

IEEE 488 (multiple lengths available):

<https://www.ni.com/en-us/shop/accessories/products/gpib-cable.html>

50 Pin Ribbon (I believe the NB1 cables are the correct ones:

<https://www.ni.com/en-us/shop/accessories/products/ribbon-cable.html>

Bill,

While this PC is intended as a backup, WPPL is installing it on either PCM or the TCM tester, prior to us providing this 'spare' computer they switched a single computer between the two testers. Now they will be able to leave both testers setup and will have two PCs available in the event one dies.

Thanks guys!

Matt

Matt Brule

Principal Test Engineer

Waters Corporation

phone 508.482.3495

web www.waters.com

email matt_brule@waters.com

34 Maple St., Milford, MA 01757 USA

From: Bill Bates <Bill_Bates@waters.com>

Sent: Thursday, December 10, 2020 7:31 AM

To: HuaZhen Luo <HuaZhen_Luo@waters.com>

Cc: Matt Brule <Matt_Brule@waters.com>; Edwin Koh <Edwin_Koh@waters.com>; Eugene Lim <Eugene_Lim@waters.com>

Subject: RE: PCM PC setup

Hi HuaZhen,

This PC was supposed to be a **backup** for the current PC, hence why it doesn't come with cables. You should be able to plug it in in place of the PC you have and it should work. At no time did you ask for cabling to make this a NEW test station...

-Bill

Bill Bates

Principal Engineering Technician

Test Engineering

Waters Corporation

phone 508.482.2182

web www.waters.com **email** bill_bates@waters.com

34 Maple Street, Milford, MA 01757 USA

From: HuaZhen Luo <HuaZhen_Luo@waters.com>

Sent: Thursday, December 10, 2020 3:11 AM

To: Bill Bates <Bill_Bates@waters.com>

Cc: Matt Brule <Matt_Brue@waters.com>; Edwin Koh <Edwin_Koh@waters.com>; Eugene Lim <Eugene_Lim@waters.com>

Subject: FW: PCM PC setup

Hi Bill,

Do you have a 50 ways ribbon cable to connect between PCM test box and PCI-1200 card inside the new PC? Or wiring diagram/part number for this cable (item 2 Dag Cable)?

We tried to set up this PC and notice lacking some parts/cables for this set up. We can find items 1 and 3 locally, but need your advice for item 2 & 4.

Item 2, Dag cable – Pls kindly share a wiring diagram/part number for ordering/fabricate. Or could you please send a spare cable for this set up?

Item 4, IEEE488 cable – we can find a short cable from accessory kit, but long cable would be prefer if you have a spare one for this set up. Or please kindly advice a part number for long cable ordering.

Thank you for your advice.



Luo HuaZhen
Senior Test Engineer

Waters
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WHAT'S POSSIBLE.™

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Singapore 117528



From: Eugene Lim <Eugene_Lim@waters.com>

Sent: Tuesday, 8 December, 2020 20:43

To: Wang Heng Wee <wanghw@cei.com.sg>; HuaZhen Luo <HuaZhen_Luo@waters.com>

Cc: Edwin Koh <Edwin_Koh@waters.com>

Subject: RE: PCM PC setup

Hi Wang and Hua Zhen,

Thank you for working together on the PCM PC setup.

[@HuaZhen_Luo](#) please help to get the items required to complete the PCM setup so that CEI can fully focus on the increased production in the following quarter without worrying TCM/PCM tester being down.

Thank you,
Eugene

From: Wang Heng Wee <wanghw@cei.com.sg>
Sent: Tuesday, December 8, 2020 3:23 PM
To: HuaZhen Luo <HuaZhen_Luo@waters.com>; Eugene Lim <Eugene_Lim@waters.com>
Subject: [EXT] PCM PC setup

ATTENTION: This email originated from outside of the organization. Please do not open any attachments or click any links unless you recognize the sender and know the content is safe.

Hi HuaZhen,

As discussed this morning, the following items require for the PC setup for PCM. Had verified the PC is working on PCM instrument golden Unit.

1. Keyboard and monitor plus accessories 1X
2. Dag Cable X1
3. RS232 cable X1
4. IEEE488 cable X1

Regards,
Wang