

## TRMS DIGITAL MULTIMETER **NP15B**



## **Bluetooth Installation Manual**

Bluetooth Installation and Connection with Logger

Installation Procedure for Bluetooth for different Window's System.

Sections:

- 1. Window Xp
- 2. Window 7
- 3. Window 8
- 4. Window 10
- 1. Window Xp:
- a. Right click on Bluetooth icon in icon menu.



Fig. a : Bluetooth Menu

b. Click on Add a Bluetooth Device. It will start to search the device. After searching gets completed, Select the LUMEL Bluetooth Meter and click on NEXT.



Fig. b: Add Bluetooth Device Wizard

c. After clicking NEXT, we have to enter pass key for device being get paired. The pass key is "0000".



Fig. c: Passkey Enter

d. After pass key has been entered, click on NEXT button. Now it will install driver and generate the COM port as show in fig.



Fig. d: Com port

e. After com port is generated, we have to disable the Incoming port because outgoing com port is required for data logger software. Diabling of com port can be done through device manager as show in fig. e. After disabling the com port is shown in fig f.



Fig. e: Device Manager



Fig. f: Incoming com port disabled

f. After com port disabled, open Lumel DataLogger Software.

![](_page_3_Picture_5.jpeg)

Fig. g: DataLogger Software

- 2. Window 7
- a. Right click on Bluetooth icon.

![](_page_4_Picture_2.jpeg)

Fig. h: Bluetooth option

b. Click on Add a Device. It will start the search of Bluetooth device. Select the appropriate device from the list.

	NP15B Bluetooth Other	I	HC-05 Bluetooth Other	
J	CASCADEMIC_8423 Bluetooth Other	tagoly: Othe topery method	TRIELELAP-005 Bluetcoth Laptop computer	

Fig. i: Device Search List

c. Select the Device and Click on NEXT. It will ask for select a pairing option.

![](_page_4_Picture_8.jpeg)

![](_page_4_Figure_9.jpeg)

d. Select ENTER THE DEVICE'S PAIRING CODE & enter the pass key "0000".

![](_page_5_Picture_0.jpeg)

Fig. k: Pairing Code

e. After clicking on NEXT, it will add the device.

![](_page_5_Picture_3.jpeg)

![](_page_5_Figure_4.jpeg)

f. Click on CLOSE. Now again click on Bluetooth icon and then click on "Open Setting" (Refer fig.h). Click on COM PORT. Select the Incoming Port and the Click on "REMOVE".

This compu	Ports Hardwar	re COM (serial) ports listed bel	ow. To
determine v that came v	whether you nee with your Blueto	ed a COM port, read the doc oth device.	umentation
Port	Direction	Name	
COM11	Outgoing	NP15B'SerialPort'	
COM12	Incoming	NP15B	
		Add	Remove

Fig. m: Remove Incoming port

g. After Removing Incoming port, you will only see outgoing port. Now open the Lumel Datalogger Software, when you click on scan 🛞 to find the meter.

	r - LSingle Danj											- 0
File Tools	Select Meter :- [		nterval :- 250	ms 🔻	<u>19 y</u>		<b>0</b> 000	2				-
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	00.00	mv DC	ime	25-08-2	2016 15:15	:54						
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			and the second se		er and e	1.000	Contraction and the second					
			v	0.0	00 mV	0 m	N					
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		Tab	V           ular Repres           SrNo         D           5         22           6         22           7         22           8         22           9         25	0.0 sentation:- Date 508-2016 5-08-2016 5-08-2016 5-08-2016 5-08-2016 5-08-2016	Time 15:15:55 15:15:55 15:15:55 15:15:55 15:15:55 15:15:55 15:15:56	Primary Function mV DC mV DC mV DC mV DC mV DC mV DC mV DC	Pitmary Readings 00.000 00.000 00.000 00.000 00.000 00.000 00.000	Pitmany Range 60 mV 60 mV 60 mV 60 mV 60 mV 60 mV	Secondary, Function	Secondary Readings	Secondary Range	

Fig. n: Lumel Datalogger Software

3. Window 8

a. Right click on Bluetooth icon & click on Add a bluetooth device or open PC and devices and select Bluetooth in it.

Add a Bluetooth Device
Allow a Device to Connect
Show Bluetooth Devices
Send a File
Receive a File
Join a Personal Area Network
Open Settings
Remove Icon

Fig. o: Bluetooth Menu

b. After opening PC and device, it will start the search for device. Click the device which is required to be added and then click on PAIR.

	On			
PC and devices	P Your PC is searching for and can be discovered by	Bluetooth devices.		
Lock screen	Galaxy 54 Paired			
Display	Logitech X100 Driver error			
	Nikhii Paired			
Devices	Pooja			
Mouse and touchpad	Pratha Driver error			
Corners and edges	Redmi			
Power and sleep	TRIMKTLAP-001 Paired			
AutoPlay	XOLO Q7005 Paired			
Disk space	Desktop PC Ready to pair			
PC and	NP158 Reads to pair			
	encourse of glass.	Pair	Fig. p: Pairing Bluetooth d	evice
	7	7	5 p 3 9	
	-			

c. It will start to add the device. After Completion, close the PC and Device. Again right click on Bluetooth icon and select OPEN SETTING (Refer fig. o). Now we have to remove incoming port under COM PORT option as shown in fig. q

vith your E	luetooth device	
Port	Direction	Name
COM8 COM9	Outgoing	NP158 NP158 SerialPort'
There	should be no	o incoming port

Fig. q: COM PORT setup

d. After removing Incoming Port, click OK and close the Bluetooth setting. Now open the Lumel DataLogger Software.

				Lumel D	)atalogger	- LSingle Drin	1						
File T	ools	sel	ect Meter :- DMM 1 v	Interval :- 250	<u>ms v</u>		<b>6000</b>	٥					
Files De File Name	Function Diode	Time 07:15:55	Total Readings 50	LUM	EL	Report Name:		Test Purpo	Date:	26 August	2016	chang	r
				Start Time	26-08-201	6 07:16:02							
				Total Readings									
				Total Acadimics									
				Minimum	Avera	age Max	imum						
				Minimum 0 V	Avera 0.000	age Max 10 V 0	imum V						
⊒ Main Disp			MAN +	Minimum 0 V Tabular Repres	Avera 0.000 entation:-	age Max 0 V 0 me Primary Function	imum V Primary Readings	Primary Range	Secondary Function	Secondary Readings	Secondary Range	^	
Main Diss	. C		MAN + V DC	Minimum 0 V Tabular Repres	Avera 0.000 sentation:- Date Tr 6-08-2016 07:	age Max 0 V 0 Primary Function 16:03 Diode	V Primary Readings 0.0000	Primary Range 6 V	Secondary Function	Secondary Readings	Secondary Range	~	
Main Disp	Diay 0.0		MAN + V DC	Minimum 0 V Tabular Repres	Avera 0.000	age         Max           0 V         0           me         Primary Function           16:03         Diode           16:04         Diode	imum V Primary Readings 0.0000 0.0000	Primary Range 6 V 6 V	Secondary Function	Secondary Readings	Secondary Range	^	
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Main Disp Sub Displ	olay 1. C lay		MAN + V DC	Minimum           0 V           Tabular Repres           SrNo         0           8         21           9         21           10         22           11         20	Avera 0.000 sentation:- Date Te 6-08-2016 07: 6-08-2016 07: 6-08-2016 07: 6-08-2016 07:	age         Max           0 V         0           me         Primary Function           16:03         Diode           16:04         Diode           16:04         Diode           16:04         Diode	imum V Primacy Readings 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Primary Range 6 V 6 V 6 V 6 V	Secondary Function	Secondary Readings	Secondary Range	*	
Main Disp	olay		MAN + V DC	Minimum           0 V           Tabular Repres           SrNo         C           8         2i           9         2i           10         2i           11         2i           12         2i	Avera 0.000 sentation:- Date Ter 6-08-2016 07: 6-08-2016 07:	age         Max           0 V         0           me         Primary Function           16:03         Diode           16:04         Diode           16:04         Diode           16:04         Diode           16:04         Diode           16:04         Diode           16:04         Diode	imum V Primacy Readings 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	Primary Range 6 V 6 V 6 V 6 V 6 V 6 V	Secondary Function	Sacondary Readings	Secondary Range		

Fig. r: DataLogger Software

## 4. Window 10

a. Right click on Bluetooth icon & click on Add a bluetooth device or open Devices and select Bluetooth in it

![](_page_8_Picture_0.jpeg)

Fig. s: Bluetooth Icon Menu

b. After opening Device, it will start the search for device. Click the device which is required to be added and then click on PAIR.

DEVICES		
Printers & scanners Connected devices Bluetooth Mouse & touchpad	Manage Bluetooth devices Bluetooth On Your PC is searching for and can be discovered by Bluetooth devices.	Manage Bluetooth devices Bluetooth On Your PC is searching for and can be discovered by Bluetooth devices.
Typing AutoPlay USB	Ready to pair	NP15B Ready to pair Pair

Fig. t: Bluetooth device selection & Pairing

c. It will start to add the device. After Completion, close Devices. Again right click on Bluetooth icon and select OPEN SETTING (Refer fig. s). Now we have to remove incoming port under COM PORT option as shown in fig. u

This PC is whether yo	M Ports Hardwa using the COM ( bu need a COM )	re (serial) ports listed below. port, read the documentat	To determine tion that came
Port	Direction	Name	
COMS	Incoming	NP15B	
Remo	ving Incoming	g port	
		Add	Remove

Fig. u: Remove Incoming port

d. After removing Incoming Port, click OK and close the Bluetooth setting. Now open the Lumel DataLogger Software.

![](_page_9_Picture_0.jpeg)

![](_page_9_Picture_1.jpeg)

Fig. v: Lumel Datalogger Software

![](_page_9_Picture_3.jpeg)

![](_page_9_Picture_4.jpeg)

## LUMEL S.A.

ul. Sulechowska 1, 65-022 Zielona Góra, POLAND tel.: +48 68 45 75 100, fax +48 68 45 75 508 www.lumel.com.pl

**Export department:** tel.: (+48 68) 45 75 139, 45 75 233, 45 75 321, 45 75 386 fax.: (+48 68) 32 54 091 e-mail: export@lumel.com.pl