

## How to Set up Network Communication for PTW Detector Arrays

VeriSoft 5.1 or higher Detector Interface 4000 (T16039)

This technical note applies to the following PTW detector arrays: OCTAVIUS Detector 729 (T10040) OCTAVIUS Detector 729 <sup>xdr</sup> (T10042) OCTAVIUS Detector 1000 SRS (T10036) STARCHECK (T10043) STARCHECK <sup>maxi</sup> (T10033)

## NOTE

This technical note describes how to set up a network connection between a PTW detector array and a DHCP network via Detector Interface 4000. If you want to learn how to set up a network connection for a PTW detector array in a network without DHCP, or how to set up a direct connection to a PC that is not part of a network, please refer to technical note D252.200.02.



- 1. Install the VeriSoft software on your PC.
- 2. Make sure the Detector Interface 4000 is turned off
- 3. Connect the PTW detector array to the Detector Interface 4000.
- 4. Connect the Detector Interface 4000 to your DHCP network via LAN cable.
- 5. Turn on the Detector Interface 4000. The Detector Interface 4000 will automatically receive an IP address from the network.
- 6. Start the VeriSoft software on your PC.
- 7. In the VeriSoft software, select **Tools → Measurement Options** in the menu bar.



8. The *Measurement Options* window opens. Choose the correct detector array from the drop down menu:

easurement Optio evices (Measurem	ns nent	
	Devices In Use	
Detector Array:	OCTAVIUS Detector 729 OCTAVIUS Detector 729	•
Calibration File:	OCTAVIUS Detector 729 XDR OCTAVIUS Detector 1000 SRS 2D-ARRAY seven29 2D-ARRAY seven29	
Accessories:	ZD-ARRAY seven29 XDR Device Demo	
	Connections	
Search		
Device	Connection	
Interface	DetectorInterface4000-372; LAN; HostName=D14000 Edit	
	Ok Cano	:el



9. Click the ... button next to the *Calibration file* panel and select the calibration file corresponding to your detector.

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vices Measuren	nent	
	Devices In Use	_
	·	
Detector Array:	OCTAVIUS Detector 729	*
Calibration File:	C:\Dokumente und Einstellungen\All Users\Dokumente\PT	
Accessories:	None	¥
	Connections	
Search		
Device	Connection	
Interface	DetectorInterface4000-372; RS232; COM=1	
Reduce RS2	22 Baudrate	
I neutre noz		
	Ok Car	ncel

10.Click the **Search...** button.

HOLD (HOUDDICH	nen
	Devices InUse
Detector Array:	OCTAVIUS Detector 729
Calibration File:	C:\Users\Public\Documents\PTW\Common Files\Calibratio
Accessories:	None
	Connections
Search	
Device	Connection
Interface	DetectorInterface4000-372; LAN; IP_Address=169.25 Edit

**Please note**: It is possible that this search will be blocked by your firewall. If you cannot add an exception for the calling program (VeriSoft), contact your system administrator.



11. The **DetectorInterface 4000 Devices** window appears; listing all connected Detector Interface 4000 that could be found in the network. Select the device for which you want to set up the connection (you can identify it by its serial number if there is more than one) and click **OK**.

		1.5	EV.	1
Device	Serial	Туре	IP-Address	Hostname
etectorInterface4000	000372	LAN	169.254 116 3	

If your device does not appear in the list, check again if it is properly connected and turned on. Disable the firewall. Repeat the search.

12. The established connection is now displayed in the *Measurement Options* window.

vices Measurem	ent	
	Devices In Use	
Detector Array:	OCTAVIUS Detector 729	•
Calibration File:	C:\Users\Public\Documents\PTW\Common Files\Calibratio	+++
Accessories:	None	•
	Connections	
Search		
Device	Connection	
Interface	DetectorInterface4000-372; LAN; IP_Address=169.25	Edit
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13.To check the connection, click on the *Edit...* button next to its entry.

VICES (Medasuren	Tent
	Devices InUse
Detector Array:	OCTAVIUS Detector 729 +
Calibration File: [	C:\Users\Public\Documents\PTW\Common Files\Calibratio
Accessories:	None 👻
	Connections
Search	·
Device	Connection
Interface	DetectorInterface4000-372; LAN; IP_Address=169.25

14. The *Edit Connection* window appears, showing the details of the respective connection.

Edit Connection		
Туре	LAN (TCP)	
Property	Value	
Name	DetectorInterface4000-372	
IP_Address/HostName	D14000-000372	
Enter the name of connection.		
Check Sear	ch OK Cancel	



15.Click on the *Check* button.

Edit Connection		
Туре	LAN (TCP)	
Property	Value	
Name	DetectorInterface4000-372	
IP_Address/HostName	DI4000-000372	
Enter the name of connection.		
Check Sear	ch OK Cancel	

16.A message that the connection was successful should appear. Confirm with the **OK** button.

Edit Connection
Connection to <di4000-000372> successful. PTW;DetectorInterface4000;1.01;5ER=000372</di4000-000372>
OK

17.Leave the *Measurement Options* window by clicking *OK*. The network connection to your PTW Detector Array is now established.

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