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Using HyperTerminal



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Connecting the Device

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Locate the serial cable or ethernet cable for your device.

If your computer does not have a serial port, you will need a USB to serial adapter.





Here are a few examples of cables that can be used or are issued with the device:

- 1. RS-232 cable (DB9 F to 3.5 ST/M) (part # 2410334)
- 2. RS-232 null modem cable (DB9 F/F) (part # 2200962)





- 3. RS-232 USB adapter (USB A to DB9 M) (part # 2761737)
- 4. RS-232 USB adapter, null (USB A to DB9 F) (part # 2675479)
- 5. USB cable (USB A to USB B)
- 6. Ethernet cable, standard.





Connecting the Device

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2

Connect the serial or USB cable to your computer.

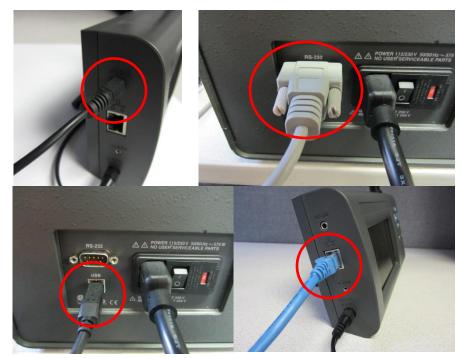
If using a ethernet or TCP/IP connection, make sure the ethernet cable is connected and connected to a network.







Connect the serial cable or the ethernet cable to the device.



Starting HyperTerminal



1

Check to see if your computer has a program called Terminal or HyperTerminal.

Windows XP comes with the HyperTerminal. This is usually located in the Accessories folder and then the communications folder.

Later versions of Windows, such as 7 or 8, don't come with the HyperTerminal and must be purchased separately.



Click on the icon to use HyperTerminal.

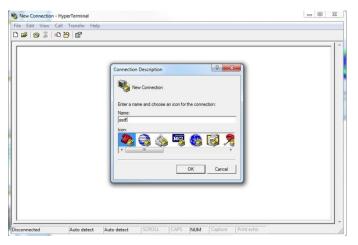


Name the Connection Description. This can be anything and has no bearing on the data collected. For this example, we will use "asdf".

Click on the OK button.







Configuring RS-232

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In the Connect To window select the proper communication port from the computer to the device.

Most computers that have a RS-232 port will be COM1. If you are using a USB to RS-232 adapter, this will usually be COM5 or higher.

Now, Click on Configure..

asdf Enter details for the phone number that you want to dial: Country/region: United States (1) Enter the area code without the long-distance prefix. Area code: Phone number: Connect using: COM1 Configure Detect Carrier Loss W Use country/region code and area code Redail on busy	 Connect To	
Country/region: United States (1) Enter the area code without the long-distance prefix. Area code: Phone number: Connect using: COM1 Configure Detect Carrier Loss C to busy		
Area code: Phone number: Connect using: COM1 Configure Detect Carrier Loss Use country/region code and area code Redial on busy		
Phone number: Connect using: COM1 Detect Carrier Loss V: Use country/region code and area code Redal on busy		
Connect using: COM1 Configure Detect Carrier Loss V: Use country/region code and area code Redial on busy	Area code:	
Configure Detect Carrier Loss Use country/region code and area code Redial on busy		
Detect Carrier Loss If Use countrylingion code and area code Redal on busy		
Redial on busy	Detect Carrier Loss	
	 Use country/region code and area code Redial on busy 	
OK Cancel	OK Cancel	



In the COM Properties, Port Settings, select the following:

Bits per second: 2400 or 9600 (this can be different, check the device settings)

8

1

None

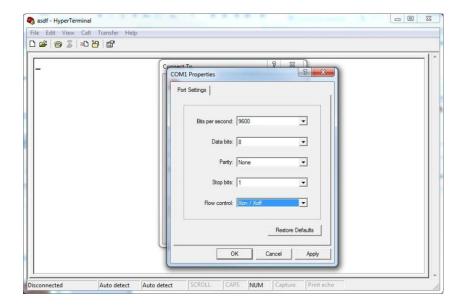
Data Bits:

Parity:

Stop bits:

Flow control: None

Then click on OK.



Configuring TCP/IP (ethernet)



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In the Connect To window select the proper communication port from the computer to the Fluke device.

For an ethernet connection select the TCP/IP (Winsock) from the drop down menu.

Now, Click on Configure..

-	Connect To	
	asdf	
	Enter details for the phone number that you want to dial: Country/region: United States (1)	
	Enter the area code without the long-distance prefix.	
	Area code:	
	Phone number:	
	Connect using: COM1 COM1	
	TCP/IP (SSH)	
	Use country/region code and area code Redial on busy	
	OK Cancel	
	OK Cancel	



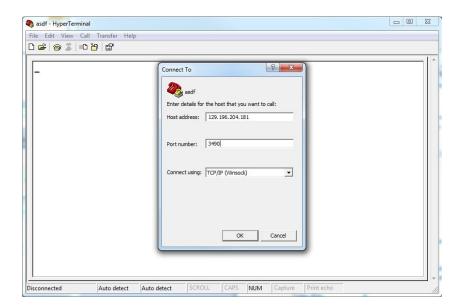
In the Connect To properties select the following:

Host address: 129.196.204.181 (this will be different for every device, check the device settings or manual for settings)

Port Number: 10001 or 3490 (this will be different for every device, check the device settings or manual for settings)

Connect using: TCP/IP (Winsock)

Then click on OK.



ASCII Setup

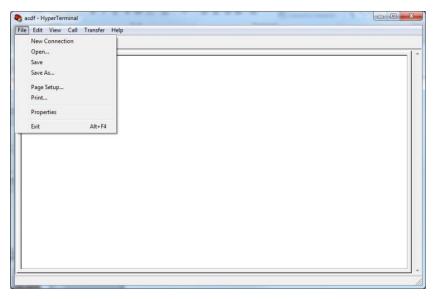


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You will return back to the Connect window, click OK

Select File menu.

Click on Properties.



3

2

At the Properties window, select the Settings tab at the top.

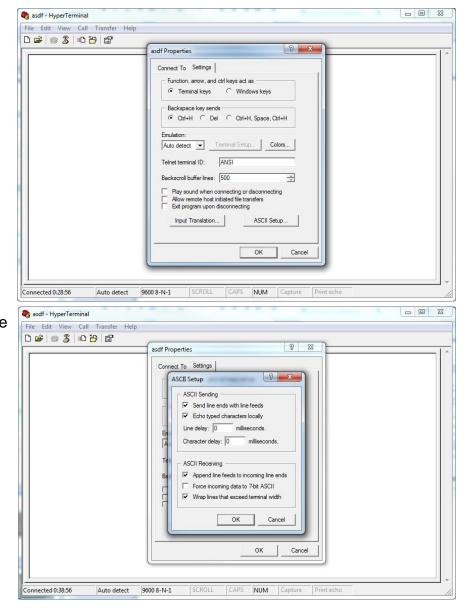
asdf Properties	
Connect To Settings	
asdf Change Icon	
Enter details for the phone number that you want to dial:	
Country/region: United States (1)	
Enter the area code without the long-distance prefix.	
Area code:	
Phone number:	
Connect using: COM1	
Configure	
☐ Detect Camer Loss	
OK Cancel	

ASCII Setup

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) Select the following features by clicking on the box on the left next to the line.

Send line ends with line feeds

Echo typed characters locally

Append line feeds to incoming line ends

Now click, OK

5

Check Communications



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You will return back to the Properties window, click OK



Check the communications by typing a command.

*idn? or *ver are common commands. These are not used by every unit

*idn? should return the Manufacturer, Model, Serial number, and the Firmware version.

*ver should return the Model and the Firmware version.

2	asdf - HyperTermin	al							
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C) 🚅 📨 🔏 💷	8							
Г	-								
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L	HART, 1620A,	HƏU862,1	L4						
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C	onnected 1:20:14	Auto detect	9600 8-N-1	SCROLL	CAPS	NUM	Capture	Print echo	1

🇞 asdf - HyperTerminal							
File Edit View Call Transfer Help)						
▯ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼							
*ver ver.9009,1.22 -							
Connected 0:02:30 Auto detect	2400 8-N-1	SCROLL	CAPS	NUM	Capture	Print echo	*

Capturing text



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(1)

Before streaming or printing the data from the device, we will need to capture the text that is coming from the device.

Click on Transfer

Click on Capture Text

Edit View Call	ansfer Help	
idn? •idn? •iART,1620A,A	Send File Receive File Capture Text Send Text File Capture to Printer	



In the Capture Text window at the File line, enter the drive you wish to save to and enter the name of the file followed by a **.TXT** extension.

Example: C:\1620A May 2013.txt

Then, click Start

The HyperTerminal will now capture or record the lines of information and place the data in the file you chose.

i i i i i i i i i i i i i i i i i i i		
idn?		
ART, 1620A, A5C8	2,1.14	
	Capture Text	
	Folder: HA	
	File: C:\1620A May 2013.txt Browse	
	Start Cancel	

Capturing text

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After the data is done transferring, the capturing of the data will need to be stopped.

Click on the Transfer menu.

	Send File Receive File Capture Text				1
02-08-2013 1	Send Text File	22.7,%,	0,C,	0,%	
02-08-2013 1	Capture to Printer	22.8,%,	0,C,	0,%	
02-08-2013 14:	28:00, 23.66,C,	22.6,%,	0,C,	0,%	
02-08-2013 14:	30:00, 23.65,C,	22.6,%,	0,C,	0,%	
02-08-2013 14:	32:00, 23.66,C,	22.7,%,	0,C,	0,%	
02-08-2013 14:	34:00, 23.65,C,	22.9,%,	0,C,	0,%	
02-08-2013 14:	36:00, 23.66,C,	22.9,%,	0,C,	0,%	
02-08-2013 14:	38:00, 23.64,C,	23.0,%,	0,C,	0,%	
02-08-2013 14:	40:00, 23.64,C,	22.9,%,	0,C,	0,%	
02-08-2013 14:	42:00, 23.63,C,	22.8,%,	0,C,	0,%	
02-08-2013 14:	44:00, 23.64,C,	22.7,%,	0,C,	0,%	



Under Capture Text, Click on Stop.

This will stop writing data to the file and conclude the process.

	Send File Receive File				
	Capture Text 🕨	Stop		100012	
02-08-2013 1	Send Text File	Pause	Ø,C,	0,%	
02-08-2013 1	Capture to Printer	Resume	0,C,	0,%	
02-08-2013 14	:28:00, 23.66,C,	22.6,%,	Ø,C,	0,%	
02-08-2013 14	:30:00, 23.65,C,	22.6,%,	0,C,	0,%	
02-08-2013 14	:32:00, 23.66,C,	22.7,%,	0,C,	0,%	
02-08-2013 14	:34:00, 23.65,C,	22.9,%,	0,C,	0,%	
02-08-2013 14	:36:00, 23.66,C,	22.9,%,	Ø,C,	0,%	
02-08-2013 14	:38:00, 23.64,C,	23.0,%,	Ø,C,	0,%	
02-08-2013 14	:40:00, 23.64,C,	22.9,%,	Ø,C,	0,%	
02-08-2013 14	:42:00, 23.63,C,	22.8,%,	0,C,	0,%	
02-08-2013 14	:44:00, 23.64,C,	22.7,%,	0,C,	0,%	