

Surveying, Construction, Engineering, Machine Control



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Flo Chart Leica Captivate TPS Setting Pseudo NMEA String

In this Flo Chart we will be setting the CS20 Data Collector to send out a Pseudo NMEA String.

Notes:

After you set your CS20 Data Collector you must set your Orientation. After that you can go into the Measure App and start the data flow. This will be done in the Auto Points Page. If you do not see this on your screen, press the FN (Function Key) and go to settings and F6 (Page) over to Auto Points. Check the box to the right. We recommend that you set it for time. Once completed go into the Auto Points (Page) and Press F1 (Start)

Step	Action	Display		
1	From the Main Menu: Press or tap to go into settings. 	 Leica Captivate - Home 		
		Image: Section Finite Image: Section Finite		

		Settings
2	From the Settings:	
	Choose (1) Connections.	Connections TS instrument Point storage
		Customization System Tools
		7 About Leica Captivate
		Fn OK Fn
		 Connections
3	From the Connections:	
	Choose (3) All other connections.	TS connection wizard Internet wizard All other connections
		Fn OK Fn
4	From the Connection Settings:	Connection Settings (♥ ▲ W 93'09'11" (♀ ↓ 21.10)
•		Device - Port -
	 Choose option (4) GSI Output, and proce (E2) Edit 	Device MS60 BT Port Bluetooth
	and press (F3) Edit	ASCII input Device - 4 Port -
		GSI output Device - Port -
		Export job Device - Port -
		6
		Fn OK Edit Fn
		 GSI Output Connection
5	From the GSI Output:	Output GSI data to device
	Choose your option of connecting	Connect using CS R5232 port Device <cs port="" r5232=""></cs>
	by (CS RS232 Port) Which is the	GSI Format Pseudo NMEA GGA
	terminal on the bottom just left of the charging port. Or Bluetooth	· · · · · · · · · · · · · · · · · · ·
	 Next Choose your formant, in this case we will be conding out 	
	Pseudo NMEA.	OK Device
	 To set the baud rates press (F5) 	

		5 Devices	
6 From the Devices:	From the Devices:	Radios Modems/GSM Others	٩,
	Highlight the CS RS232 Port and	<cs port="" rs232=""> Type <cs port="" rs232=""> Creator</cs></cs>	
	press (F3) Edit. This will bring up the port settings. You will need to match up both devices to the	RS232 Type RS232 Creator Defaul	t
	same settings.		
			8
		Fn OK New Edit	Delete Page Fn
		5 Edit Device	
7	From the Edit Device:	Name	<cs port="" rs232=""></cs>
	• Match up your settings, then press (F1) Store.	Туре	<cs port="" rs232=""></cs>
		Baud rate	115200 🗸
		Parity	None 🗸
		Parity Data bits	None V 8 V
		Parity Data bits Stop bit	None V 8 V 1 V
		Parity Data bits Stop bit Flow control	None V 8 V 1 V None V
		Parity Data bits Stop bit Flow control	NoneV8V1VNoneV

This is a general guide for setting a Pseudo NMEA String in Leica Captivate using a CS20 Field Controller.

Depending on your firmware some screens maybe missing in this flow chart. Neither Hixon nor Leica Geosystems takes any responsibility in any configuration that you may setup.