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## Multi-function, Multi-Channel Stand-alone Data Loggers



### USB-602

Battery-powered temperature and humidity logger with graphic LCD screen, device controls, multi-session logging measures and stores over 250,000 readings.

A small, low-cost logger to keep track on variations of ambient temperature and humidity in zones of interest. Models with thermocouple support also available

For more information click: [more](#)

### USB-5200 Data Logger Series

Key features:

The USB-5200 Series stand-alone temperature data loggers provide highly accurate temperature measurements for remote applications. Features include thermocouple, RTD, thermistor, or semiconductor sensor support, digital I/O functions, alarms, and Compact Flash card for data storage.

USB-based 8-channel temperature data logger (CompactFlash) supports 4 sensor types, with high/low alarms, 8 digital I/O lines

### LGR 5320 Data Logger Series

Key features:

The LGR-5320 Series of stand-alone, high-speed, multifunction data loggers provide analog input along with digital input, relay output, and four quadrature encoder inputs. Each device supports SD card data storage and pushbutton controls for remote operations.

16/8-Channel SE/DI High-speed 200 kS/s, multifunction data logger with isolated digital inputs; includes a 4 GB SD memory card, USB cable, and external power supply

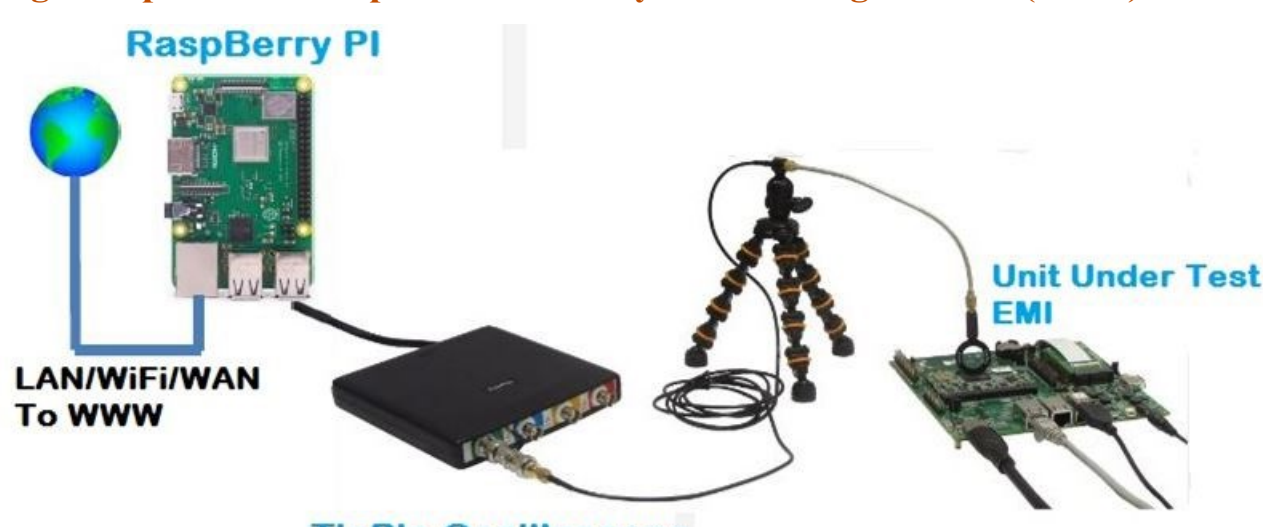
## Online Test of the TiePie Oscilloscopes Server Sharing Mode

### Network support (TPISS)

Remote measuring with a Handyscope series oscilloscope with an ethernet connection (LAN, WiFi or WAN) is so transparent that it appears that the ethernet connected instrument is connected directly to the PC.

The new TiePie Multi Channel oscilloscope software, Ver. 1.40.3 or later, supports ethernet connected instruments by default. The dialog with available instruments shows the network instruments. Simply place a tick and measuring can start.

### Using a TiePie Oscilloscope and Arbitrary Waveform generator (AWG) Instrument



For demonstration purposes we have installed and made available online, a TIEPIE HS5 operated by a server TPISS mounted on a RASBERRY PI 3.

The HS5 features :

- Two Oscilloscope Input Channels
- One Output (AWG) Channel

Oscilloscope Channel 1 is connected to a function generator that provides a sinusoidal waveform of 1Vpp at 1MHz . Oscilloscope Channel 2 is connected to the output of the HS5 Arbitrary Waveform Generator that you can control.

**Note :** It is possible that your organization locks the 5450 Port for security purpose to not allow this demonstration, or another user may be using the TiePie at the same time.

**Our setup with TiePie HandyScope HS 5 is located in our Office at Laval Qc Canada**

1- Download the Multi Channel using the following link:

[http://download.tiepie.com/Software/MultiChannel/MultiChannelSetup\\_v1.40.3.exe](http://download.tiepie.com/Software/MultiChannel/MultiChannelSetup_v1.40.3.exe)

2- To connect to the setup click the link below for instruction:

<https://www.tiepie.com/en/oscilloscope-software/network-support>

**Note:** Instead of IP Address, use the following URL: ([techmatron.dyndns.info](http://techmatron.dyndns.info)) and activate the remote connection by checking the box. The Multi Channel Software will connect to our setup, displaying the various available functions for this model.

3- Multi-Channel Software User's Manual is free download at: <https://www.tiepie.com/en/multi-channel>

### Remote office/home monitoring



For consultation and selection please contact: [Techmatron Instruments Inc.](#)

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