MS6174
Data Adapter (USB type)
User Manual

Introduction

The Data Adapter MS6174 is specially made for downloading data from Digital Power Meters MS6170/ 6172 using USB 2.0 connection.   It can be used with any meter which can either be in operation or not.
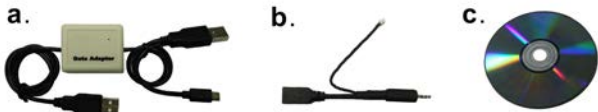
In the case Power Meter is in operation, the Data Adapter can be used to monitor the real time voltage, current and power via PC or at the iPad , Android Tablets and iPhone via Ethernet connection (not supplied) using mobile App. It comes with meter application software used for retrieving, graphically display and saving stored data of the meter.

Precaution

a.   This Data Adapter is designed and made for MS6170/ 6172 and other product only.

b.   This Data Adapter is designed and made for indoor use only.

c.   Do not disassemble or attempt to repair the Data Adapter.

d.   The supplied accessory Dual Connector is only for use with old version of MS6170/ 6172.

Components inside box

a. MS6174 Data Adapter
b. Dual Connector for old version meters
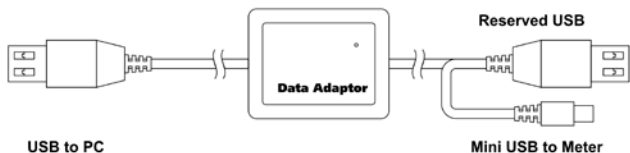c. Application and USB driver CD

Using the Data Adapter MS6174

Use the built-in USB connectors from Data Adapter for data transfer from Meters to the PC as shown below.
The Reserved USB attached to Mini USB is for other products.

Connection Diagram

Prepare PC before connect MS6174

Before connecting MS6174 to PC. It is required to install USB driver.

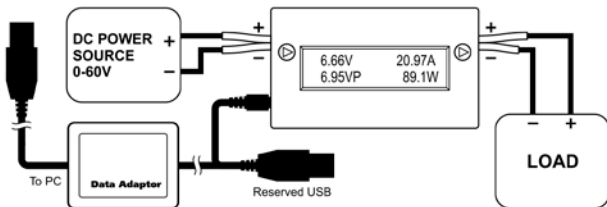(Please refer to software manual in CDROM for detail installation steps)

Making the connections
1. First connect the mini USB of MS6174 to the MS6170/ 6172.
2. Then connect the single USB of MS6174 to the PC.
3. Should be connected to meter before it is connected to PC.
   Please follow below steps to connect your MS6174, MS6170/ 6172 and PC.

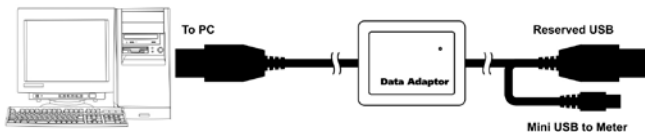**Step 1 - Connect MS6174 to a meter in operation**
Connect only the mini USB to the meter.

MS6174 can be used to work with meter which either being in use or be not in use. In case meter being in use, only connect the data cable between MS6174 and meter as following diagram.
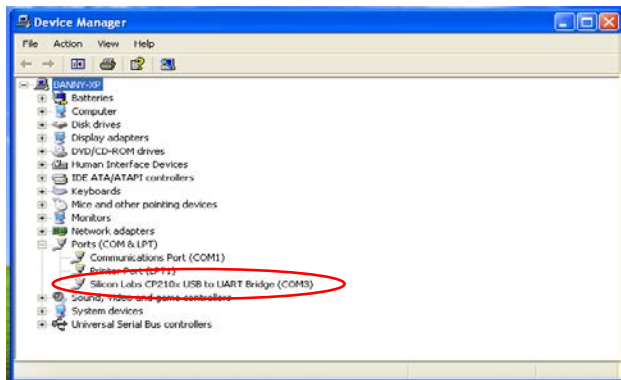

Step 2 - Connect MS6174 to PC
MS6174 is connected to PC.

By executing driver installer under folder "<CDROM Drive>\USB CP210x Drivers X.X.X for Win7_8_8.1_10". Where X.X.X is driver version. There are installer inside this folder for x64(64-bit) and x86(32-bit). Please run installer match number of bit of your Windows OS.

When MS6174 is connected to Windows system with USB driver correctly installed. It will be mapped to COM port and be showed in device manager.

Use meter application software

This software can be used to;

- Retrieving data from Meter
- Displaying data in graphical view
- Zoom in selected range of data
- Saving data in to CVS format file
- Print out by printer

(Please refer to software manual in CDROM for detail usage.)

Start Meter software
Run <CDROM Drive>\dpm\dpm.bat

DPM software interface

Buttons	Function description
Serial Ports: COM3 ▼ Connection OK	Connection port selection and connection status
Language: English ▼	Language selection
🡇	Retrieving data from DPM
💾	Saving data to CSV file
📁	Loading data from CSV file
🖶	Print graph to printer
Save selected Rangs:10-16	Save selected data range
☑ Display only selected IDs	Click to zoom in selected data range

*Notes:

Misc. Data for select group

Vp : Peak voltage value of current data group
Vm : Lowest voltage value of current data group
Ap : Peak current value of current data group
Am : Lowest current value of current data group
Wp : Peak power value of current data group

Specifications

Connection	
USB connection	USB 2.0 standard
Construction	
Housing Material	Poly-Carbonate
Dimension & Weight	45(L)x35(W)x28(H)mm 20g
Supplied Accessories	User manual, Dual Connector, software CD

OLD VERSION Meter

Owners of first generation of Meter can use this new generation of MS6174 Data Adapter with the provided accessory Dual Connector for old version meters as shown below.

In case Meter be not in use, connect both DC cable and data cable as following diagram.