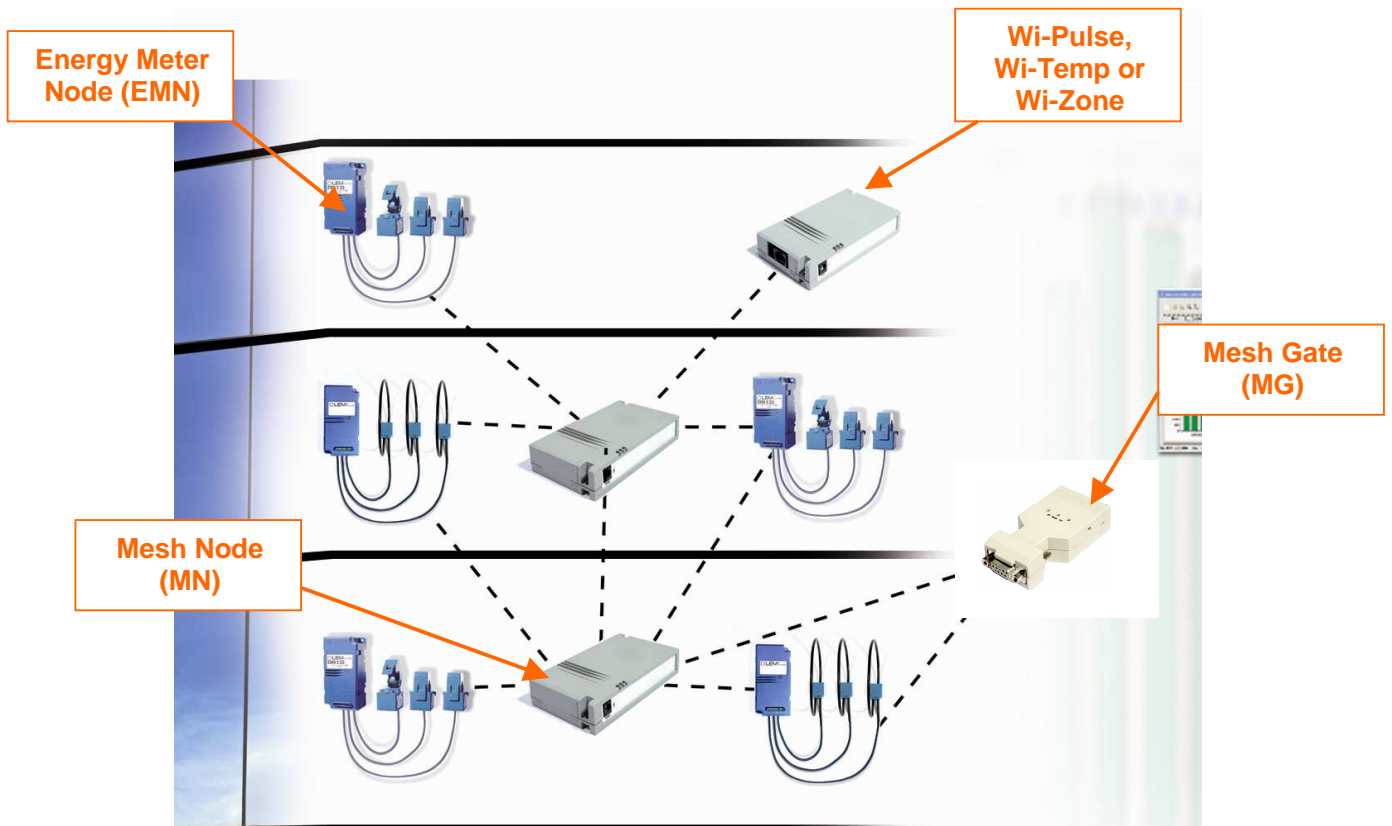


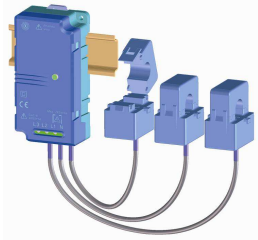
## Wi-LEM Selection Guide

The Wi-LEM is a complete wireless data acquisition platform for Energy Monitoring as shown below:





**Energy Meter Node (EMN):**



with current transformers.

**Voltage: 300 VAC (L1 to Neutral)**

		RATING	
		20A	100A
<b>Network Configuration</b>	<b>Wye - 4 wires</b> 	EMN 20 W4 90.C7.17.600.0	EMN 100 W4 90.C7.34.600.0
	<b>Wye - 3 wires</b> 	EMN 20 W3 90.C7.17.500.0	EMN 100 W3 90.C7.34.500.0
	<b>Wye - 2 wires</b> 	EMN 20 W2 90.C7.17.400.0	EMN 100 W2 90.C7.34.400.0
	<b>Wye - 3 x single phase</b> 	EMN 20 W0 90.C7.17.300.0	EMN 100 W0 90.C7.34.300.0
	<b>Delta - 3 wires</b> 	EMN 20 D3 90.C7.17.100.0	EMN 100 D3 90.C7.34.100.0



**Voltage: 480 VAC (line to line)**

External 24VDC power supply

<b>Network Configuration</b>		<b>RATING</b>
		<b>100A</b>
		EMN 100 D3/SP2
		90.C7.34.102.0



with Rogowski coil.

**Voltage: 300 VAC (L1 to Neutral)**

		RATING			
		200A	500A	1000A	2000A
<b>Network Configuration</b>	<b>Wye - 4 wires</b>	EMN 200 W4 90.C7.44.600.0	EMN 500 W4 90.C7.50.600.0	EMN 1000 W4 90.C7.60.600.0	EMN 2000 W4 90.C7.69.600.0
	<b>Delta - 3 wires</b>	EMN 200 D3 90.C7.44.100.0	EMN 500 D3 90.C7.50.100.0	EMN 1000 D3 90.C7.60.100.0	EMN 2000 D3 90.C7.69.100.0



**Voltage: 480 VAC (line to line)**

External 24VDC power supply

		RATING			
		200A	500A	1000A	2000A
<b>Network Configuration</b>		EMN 200 D3/SP2  90.C7.44.102.0  <b>(On request)</b>	EMN 500 D3/SP2  90.C7.50.102.0	EMN 1000 D3/SP2  90.C7.60.102.0  <b>(On request)</b>	EMN 2000 D3/SP2  90.C7.69.102.0



### **Mesh Gate:**

The Mesh Gate reference is changing according to the maximum number of EMN managed and the RF power.

Long Range (L): RF power 10 mW

Reference Name	Description	LEM code
MESH GATE 6424 <b>10L</b> ID 170	Maximum number of Nodes: <b>10</b>	90.D2.98.040.0
MESH GATE 6424 <b>100L</b> ID 200	Maximum number of Nodes: <b>100</b>	90.D2.98.041.0
MESH GATE 6424 <b>200L</b> ID 220	Maximum number of Nodes: <b>200</b>	90.D2.98.042.0

Extra Long Range (XL): RF Power 100 mW **(only for US & Europe)**

Reference Name	Description	LEM code
MESH GATE 6424 <b>10XL</b> ID 170	Maximum number of Nodes: <b>10</b>	90.D2.98.043.0
MESH GATE 6424 <b>100XL</b> ID 200	Maximum number of Nodes: <b>100</b>	90.D2.98.044.0
MESH GATE 6424 <b>200XL</b> ID 220	Maximum number of Nodes: <b>200</b>	90.D2.98.045.0

### **Mesh Node:**

Long Range (L): RF power 10 mW

Reference Name	Description	LEM code
MESH NODE L	Mesh Node Long Range	90.D2.98.032.0

Extra Long Range (XL): RF Power 60 mW **(only for US & Europe)**

Reference Name	Description	LEM code
MESH NODE XL	Mesh Node Extra Long Range	90.D2.98.033.0

### **Wi-Pulse:**

Long Range (L): RF power 10 mW

Reference Name	Description	LEM code
Wi-Pulse L	Pulse Counter Long Range	90.D2.98.034.0

Extra Long Range (XL): RF Power 60 mW **(only for US & Europe)**

Reference Name	Description	LEM code
Wi-Pulse XL	Pulse Counter Extra Long Range	90.D2.98.035.0



### **Wi-Zone:**

Long Range (**L**): RF power 10 mW

Reference Name	Description	LEM code
Wi-Zone L	Temperature & Humidity Long Range	90.D2.98.036.0

Extra Long Range (**XL**): RF Power 60 mW (**only for US & Europe**)

Reference Name	Description	LEM code
Wi-Zone XL	Temperature & Humidity Extra Long Range	90.D2.98.037.0

### **Wi-Temp:**

Long Range (**L**): RF power 10 mW

Reference Name	Description	LEM code
Wi-Temp L	2 Thermistors Temperature Probe Long Range	90.D2.98.038.0

Extra Long Range (**XL**): RF Power 60 mW (**only for US & Europe**)

Reference Name	Description	LEM code
Wi-Temp XL	2 Thermistors Temperature Probe Extra Long Range	90.D2.98.039.0

### **Accessories:**

Reference Name	Description	LEM code
AC Adaptor EU	AC power supply (Mesh Gate and Mesh Node) for <i>Europe</i>	90.D2.98.004.0
AC Adaptor US, JP	AC power supply (Mesh Gate and Mesh Node) for <i>US and Japan</i>	90.D2.98.003.0
AC Adaptor UK	AC power supply (Mesh Gate and Mesh Node) for <i>UK</i>	90.D2.98.005.0
CD- R Installation Wi-LEM	CD-ROM including EMN Monitor + Meshscape Monitor.	90.D2.98.007.0



AC Adaptor EU



AC Adaptor US, JP



AC Adaptor UK



CD-R Installation Wi-LEM