Self-Enclosed Shark® Meter Assemblies

For Multi-function Shark® 50, 50B, 100, 100B, 200, or 250 Meters

- For Retrofit Meter Solutions
- Extends Switchgear Capability
- Pre-Wired and Configured
- Eliminates Wiring and Installation Errors

NEMA 4X
Outdoor-Rated

NEMA 1
Indoor-Rated

Electro Industries/GaugeTech
The Leader in Power Monitoring and Smart Grid Solutions
Description

EIG’s Shark® meter in enclosure lets you expand your switchgear capability without expensive and time-consuming redesign. Simply mount and wire the enclosure next to your switchgear and you are ready to go, with no downtime at all!

This is a perfect solution for a retrofit when there is no metering compartment available. The meter comes standard with a NEMA 1 indoor enclosure or a NEMA 4X outdoor enclosure, and is factory wired with the meter installed. Standard equipment includes voltage fuses, a shorting block for current transformers, and a control power transformer if used with 277/480 V power systems.

The enclosure can be ordered with either the Shark® 50 multi-function meter, the Shark® 50B meter with native BACnet MS/TP, the Shark® 100 multi-function meter, the Shark® 100B meter with native BACnet/IP, or the Shark® 200 or Shark® 250 advanced meters with datalogging and extensive I/O. It is offered in two voltage configurations:

- 277 V enclosure (comes equipped with a control power transformer)
- 120-240 V enclosure

WIRING DIAGRAMS

Wye Wiring for 120 V Model

Wye Wiring for 277 V Model
### Shark® 50 in Self-Enclosed Meter Assembly

All fields must be filled in to create a valid part number.

<table>
<thead>
<tr>
<th>Option Numbers:</th>
<th>Model</th>
<th>Voltage</th>
<th>V-Switch™ Pack</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example:</td>
<td>ENCSHK50</td>
<td>-</td>
<td>-</td>
<td>485P</td>
</tr>
<tr>
<td></td>
<td>ENC4XSHK50</td>
<td>277</td>
<td>V2</td>
<td>485P</td>
</tr>
</tbody>
</table>

#### Models
- **ENC50**
- **ENC4XSHK50**

#### Specifications
- Voltage: (120 to 240) V
- V-Switch™ Pack: V2, V2+Power and Frequency
- Communication: 485P

### Shark® 50B in Self-Enclosed Meter Assembly

All fields must be filled in to create a valid part number.

<table>
<thead>
<tr>
<th>Option Numbers:</th>
<th>Model</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example:</td>
<td>ENCSHK50B</td>
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<tr>
<td></td>
<td>ENC4XSHK50B</td>
<td>277</td>
</tr>
</tbody>
</table>

#### Models
- **ENC50B**
- **ENC4XSHK50B**

#### Specifications
- Voltage: (120 to 240) V
- Communication: 485P

### Shark® 100 in Self-Enclosed Meter Assembly

All fields must be filled in to create a valid part number.

<table>
<thead>
<tr>
<th>Option Numbers:</th>
<th>Model</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Current Input</th>
<th>V-Switch™ Pack</th>
<th>Power Supply</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example:</td>
<td>ENCSHK100</td>
<td>-</td>
<td>60</td>
<td>10</td>
<td>V2</td>
<td>-</td>
<td>485P</td>
</tr>
<tr>
<td></td>
<td>ENC4XSHK100</td>
<td>277</td>
<td>60</td>
<td>2</td>
<td>V2</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Models
- **ENC100**
- **ENC4XSHK100**

#### Specifications
- Voltage: (120 to 240) V
- Frequency: 50 Hz
- Current Input: 5 A Secondary
- V-Switch™ Pack: V2, V2+Power and Frequency
- Communication: 485P

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**DIMENSIONAL DRAWINGS**

**ORDERING INFORMATION**
## Shark® 100B in Self-Enclosed Meter Assembly

All fields must be filled in to create a valid part number.

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Current Input</th>
<th>Power Supply</th>
<th>I/O Slot 1</th>
<th>I/O Slot 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENCSHK100B</td>
<td>277</td>
<td>60</td>
<td>10</td>
<td>D2 Option</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

### Option Numbers:

- ENCSHK100B
- ENCSHK200
- ENCSHK250
- ENCSHK4XSHK200

### Example:

- ENCSHK100B

### Shark® 200 in Self-Enclosed Meter Assembly / Shark® 250 in Self-Enclosed Meter Assembly

All fields must be filled in to create a valid part number.

<table>
<thead>
<tr>
<th>Model</th>
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<th>Frequency</th>
<th>Current Input</th>
<th>V-Switch™ Pack</th>
<th>Power Supply</th>
<th>I/O Slot 1</th>
<th>I/O Slot 2</th>
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<td>ENCSHK200</td>
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<td>V2</td>
<td>D2</td>
<td>X</td>
<td>X</td>
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</tbody>
</table>

### Option Numbers:

- ENCSHK200
- ENCSHK250
- ENCSHK4XSHK200

### Example:

- ENCSHK200

### Voltage

- 277
- 277 V

### Power Supply

- D2 Option
- Universal
- (90 to 265) V
- AC @50/60 Hz or (100 to 370) V DC

* Applies only to Shark 250 meter.