GF312B2 Portable Three Phase Standard Meter

GF312B2 portable three phase standard reference meter high accuracy 0.02%. It can be applied in following area:
Electric power department
Measuring and quality examining department
Electrical lab

Features
1. High accuracy up to 0.02%
2. Metal body, strong and reliable
3. DSP+32 bit ARM technology
4. Measurement 2~51 times harmonics
5. Waveform display function
6. Vector diagram function
7. Energy accumulating function
8. 7 inch TFT color LCD
9. Suit for testing in the field or in the lab

Parameters

<table>
<thead>
<tr>
<th>Electrical parameters</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy class</td>
<td>0.02%, 0.05%</td>
</tr>
<tr>
<td>Power supply</td>
<td>85-450V, 50/60Hz±2Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>13VA</td>
</tr>
<tr>
<td>Communication port</td>
<td>RS232, USB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test Voltage</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>30-560V</td>
</tr>
<tr>
<td>Error</td>
<td>±0.02% (30V-560V)</td>
</tr>
<tr>
<td></td>
<td>±0.05% (5V-30V)</td>
</tr>
<tr>
<td>Harmonic</td>
<td>2nd-51st</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test Current</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Range (direct connection)</td>
<td>20mA-120A</td>
</tr>
<tr>
<td>Error (direct connection)</td>
<td>±0.02% (100mA-120A)</td>
</tr>
<tr>
<td></td>
<td>±0.05% (20mA-100mA)</td>
</tr>
<tr>
<td>Harmonic</td>
<td>2nd-51st</td>
</tr>
</tbody>
</table>
### Electrical parameters - continued

#### Power measure error

- **Active power (direct connection)**: ±0.02% (0.1A-120A), ±0.05% (0.02A-0.1A)
- **Reactive power (direct connection)**: ±0.05% (0.1A-120A)

#### Energy measure error

- **Active energy (direct connection)**: ±0.02% (0.1A-120A), ±0.05% (0.02A-0.1A)
- **Reactive energy (direct connection)**: ±0.05% (0.1A-120A)

#### Phase angle

- **Range**: 0° ~ 360°
- **Error**: ±0.02°

#### Frequency

- **Range**: 45-65Hz

#### Pulse output

- **Energy constant**: 1-250000
- **Pulse ratio**: 1:1
- **Output level**: 5V

#### Pulse input

- **Input channel**: 1
- **Input level**: 5-24V
- **Input frequency**: Max. 2MHz

#### Display

- **Resolution**: 7”STN (800×480)

### Mechanical parameters

- **Dimensions (W×H×D) (mm)**: 365×269×151
- **Weight (kg)**: 4

### Environmental conditions

- **Ambient temperature**: -10°C to 40°C
- **Relative humidity**: 30%-80%