Three-Phase AC RMS Current Transducer

Model 3CTR-

3-IN-1 AC RMS CURRENT TRANSUDER
0.25% ACCURACY

FEATURES
- Accurate measurement of the true RMS value of input current over a wide frequency range.
- Input/output dielectric test 2500V.
- 0.25% ACCURACY

APPLICATIONS
- For use in applications where measurement of non-sinusoidal waveforms is required.
- Designed for use on three-phase systems, but may also be used to monitor three single-phase circuits where panel space is a premium.
- Designed to withstand motor start-up transients.

<table>
<thead>
<tr>
<th>INPUT CURRENT</th>
<th>STANDARD OUTPUTS MODEL 3CTR-</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-1mA</td>
</tr>
<tr>
<td>0-1</td>
<td>001B</td>
</tr>
<tr>
<td>0-5</td>
<td>005B</td>
</tr>
<tr>
<td>0-10</td>
<td>010B</td>
</tr>
<tr>
<td>0-15</td>
<td>015B</td>
</tr>
<tr>
<td>0-20</td>
<td>020B</td>
</tr>
</tbody>
</table>

5 YEAR WARRANTY

All units have universal power supply 85-265Vac, 48-420Hz, or 110-370Vdc.

ORDERING INFORMATION
Example: 15 Amp AC Input with 0-10Vdc Output.
3CTR-015D

SPECIFICATIONS

INPUT
Current ........................................... See Table
Frequency Range ................................ 48-420Hz
Burden (Each input) .................. 0.40VA @ F.S.
Overload
1-10A Range ........................ 2 X F.S. (cont.)
15 & 20A Range ...................... 1.25 X F.S. rating (cont.)
1A Range ................................ 10A (10s transient)
All other ranges ..................... 50A (10s transient)
250A (1s transient)

DIELECTRIC TEST
Input/Output/Case .................. 2500Vac, RMS

INSTRUMENT POWER
Standard ........................ 85-265Vac, 48-420Hz, 5VA
or 110-370Vdc, 5VA

OUTPUT
Response Time (to 90%) ................. 100ms
Loading
“B” models (0-1mA) .............. 0-10kΩ
“D”, “X5” models (0-5Vdc, 0-10Vdc) 2kΩ min.
“E” models (4-20mA) ........ 0-500Ω
Field Adjustable Cal. ........ ±10%

ACCURACY
Linearity & Setpoint ........................ ±0.25% F.S. @ 60Hz
(±0.5% typical over frequency range.)
Output Ripple ..........................<1.0% F.S.

TEMPERATURE & PHYSICAL
Temperature Effect (-20°C to 60°C) ........ ±1.0% Rdg.
Net Weight ................................ 2.5 Lbs.

CASE DIMENSIONS
CASE HEIGHT 6.63”

All dimensions in inches

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