DECA-TRAN SPECIFICATIONS

Description:
A 10 to 1 step-down snap-around transformer designed to be used in conjunction with the AMPROBE snap-around A.C. Ammeter.

Conductor Size:
Round .............................................. 2 ¼" Dia.
Bus Bar ............................................. ¾" x 2 ½"

Current Range:
60 amps to 1200 amps
Continuous Duty—Below 600 amps
Intermittent Duty—Above 600 amps

NOTE: Do not leave on the line for more than 2 minutes above 600 amps. Prolonged heating will temporarily affect the accuracy of the transformer. For greater accuracy place Deca-Tran on a section of the conductor which is a minimum of 6" from adjacent conductors.

Ratio Accuracy:
±3 ½ %

Pt. # 916751 11/86 PRINTED IN U.S.A.

The AMPROBE DECA-TRAN is designed primarily for use with any AMPROBE clamp-on instrument* or multimeter and recorder current transducer* where an extension of amperage ranges is needed. No matter which AMPROBE model you presently own, you can use the AMPROBE DECA-TRAN to extend your amperage readings by 10 times! For example, by using the AMPROBE DECA-TRAN in conjunction with your Model RS-1, you can obtain an actual current reading of 1000 amps AC on the RS-1 range of 0-100. This makes your AMPROBE instrument, one of the world’s most versatile electrical test instrument 10 times more flexible.

*Except LAW78(T) or LAW73C(T); "ACD" Digital Clamp-ons; AN50/81 Transducers; and A804, A703, and A755.

HOW TO OPERATE THE AMPROBE DECA-TRAN FOR CURRENT READINGS

1. Open Deca-tran transformer jaws and snap around ONE CONDUCTOR. (Figure 1).

2. MODEL A50-1

CAUTION
Do not take reading in this loop

MODEL A50-1
Clamp AMPROBE instrument jaws over square adaptor at end of line cord. Multiply Ampere reading by 10.

NOTE: 1200* Amperes is the limit on readings that can be obtained with the Deca-tran. 1200 Amperes will, therefore, be read as 120 Amperes on the 300 Ampere scale ofandra instrument with that range.

*See page 4 - CURRENT RANGE

OPERATING INSTRUCTIONS
AMPROBE® DECA-TRAN®
Model A50-1

SAFETY PRECAUTIONS

IMPORTANT:
1. Before using any electrical instrument or accessory for actual testing, the unit should be checked on a known live line to make certain it is operating properly.
2. In many instances, you will be working with dangerous levels of voltage and/or current; therefore, it is important that you avoid direct contact with any uninsulated, current-carrying surfaces. Appropriate insulating gloves and clothing should be worn.
3. Should the A50-1 accidentally be used to try to measure a current beyond the range of the instrument, immediately remove the A50-1 from the circuit.
4. When not in use, keep A50-1 in its carrying case.

WHEN USED WITH DECA-TRAN

Let us assume that the pointer of your AMPROBE instrument is at the position indicated in the illustrations. The reading will be as follows.

EXTENSION OF RANGES WITH DECA-TRAN

<table>
<thead>
<tr>
<th>A.C. Current Range of AMPROBE Model</th>
<th>Additional A.C. Current Range with DECA-TRAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Amps</td>
<td>60 Amps</td>
</tr>
<tr>
<td>10 Amps</td>
<td>100 Amps</td>
</tr>
<tr>
<td>15 Amps</td>
<td>150 Amps</td>
</tr>
<tr>
<td>25 Amps</td>
<td>250 Amps</td>
</tr>
<tr>
<td>40 Amps</td>
<td>400 Amps</td>
</tr>
<tr>
<td>50 Amps</td>
<td>500 Amps</td>
</tr>
<tr>
<td>100 Amps</td>
<td>1000 Amps</td>
</tr>
<tr>
<td>CAUTION: DO NOT EXCEED 120 Amps on the 300 Amp Range</td>
<td>1200 Amps</td>
</tr>
</tbody>
</table>