

CUSTOMER: \_\_\_\_\_ PHONE: \_\_\_\_\_  
 CONTACT NAME: \_\_\_\_\_ FAX NO: \_\_\_\_\_  
 SITE ADDRESS: \_\_\_\_\_  
 SERIAL NO.: \_\_\_\_\_ FIRMWARE REVISION: \_\_\_\_\_

1. Are there any failure messages? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Please complete the following table:

| PARAMETER                   | DISPLAYED AS     | OBSERVED VALUE | UNITS  | NOMINAL RANGE  |
|-----------------------------|------------------|----------------|--|--|
| Range                       | Range            |                | PPM, MGM <sup>1,2</sup><br>PPB, UGM <sup>1</sup> | 1 – 1000 PPM <sup>1</sup><br>5 – 5000 PPM <sup>2</sup> |
| Stability                   | STABIL           |                | PPM  | <1.0 PPM<br>with Zero Air                              |
| CO Measure                  | CO MEAS          |                | mV   | 2500 – 4800 MV   |
| CO Reference                | CO REF           |                | mV   | 2500 – 4800MV  |
| Measure/Reference Ratio     | MR RATIO         |                | –  | 1.1 – 1.3 W/ Zero Air                                  |
| Pressure                    | PRES             |                | In-Hg-A  | -2” Ambient Absolute                                   |
| Sample Flow                 | SAMP FL          |                | cm <sup>3</sup> /min                             | 800 ± 10%  |
| Sample Temp                 | SAMPLE TEMP      |                | °C   | 48 ± 4   |
| Bench Temp                  | BENCH TEMP       |                | °C   | 48 ± 2   |
| Wheel Temp                  | WHEEL TEMP       |                | °C   | 68 ± 2   |
| Box Temp                    | BOX TEMP         |                | °C   | Ambient + 7 ± 10                                       |
| Photo Drive                 | PHT DRIVE        |                | mV   | 250 mV – 4750 mV                                       |
| Slope of CO Measurement     | CO SLOPE         |                | –  | 1.0 ± .3   |
| Offset of CO Measurement    | CO OFFSET        |                | PPM  | 0 ± 0.3  |
| Dark Cal Reference signal   | REF DARK OFFSET  |                | mV   | 125 ± 50 mV  |
| Dark Cal Measurement Signal | MEAS DARK OFFSET |                | mV   | 125 ± 50 mV  |
| Electric Test               |                  |                | PPM  | 40 ± 2 PPM   |

<sup>1</sup> M300E      <sup>2</sup> M300EM

**TELEDYNE API CUSTOMER SERVICE**

EMAIL: [api-customerservice@teledyne.com](mailto:api-customerservice@teledyne.com)

PHONE: (858) 657-9800 - TOLL FREE: (800) 324-5190 - FAX: (858) 657-9816

2. Have you performed a leak check and flow check? \_\_\_\_\_

3. What are the failure symptoms? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

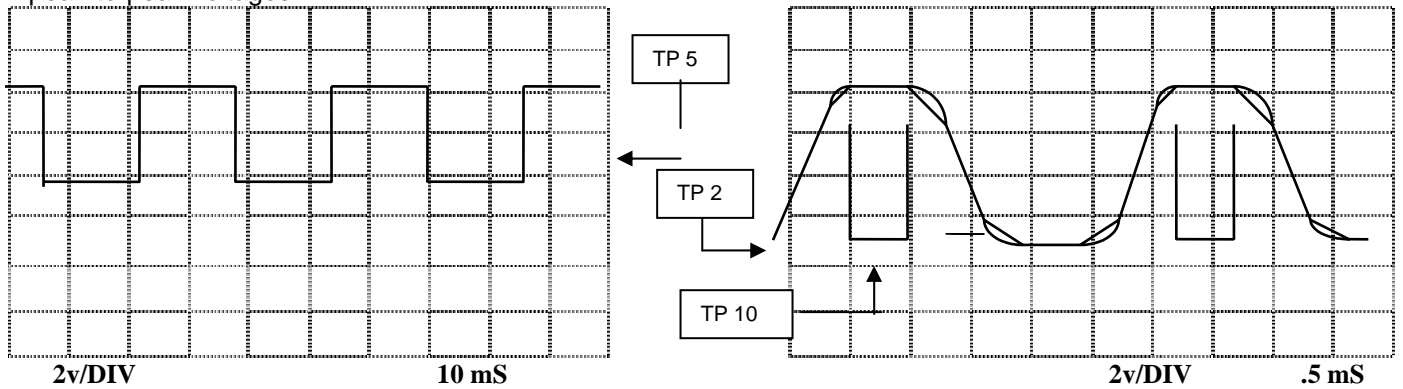
4. What test have you done trying to solve the problem? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. Please check these signals and verify the correctness. Look for the signals annotated on the diagram. What are the peak-to-peak voltages?



5. If possible, please include a portion of a strip chart pertaining to the problem. Circle pertinent data.

THANK YOU FOR PROVIDING THIS INFORMATION. YOUR ASSISTANCE ENABLES TELEDYNE API TO RESPOND FASTER TO THE PROBLEM THAT YOU ARE ENCOUNTERING.

**OTHER INFORMATION:** \_\_\_\_\_

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