

Appendix C
Warranty/Repair Questionnaire
T200 and M200E
(04503D, DCN5798)



CUSTOMER: _____ PHONE: _____

CONTACT NAME: _____ FAX NO. _____

SITE ADDRESS: _____

MODEL SERIAL NO.: _____ FIRMWARE REVISION: _____

1. ARE THERE ANY FAILURE MESSAGES? _____

PLEASE COMPLETE THE FOLLOWING TABLE: (NOTE: *DEPENDING ON OPTIONS INSTALLED, NOT ALL TEST PARAMETERS SHOWN BELOW WILL BE AVAILABLE IN YOUR INSTRUMENT*)

*IF OPTION IS INSTALLED

| PARAMETER | RECORDED VALUE | ACCEPTABLE VALUE |
|-----------------------------------------|-----------------|--------------------------------|
| RANGE | PPB/PPM | 50 PPB TO 20 PPM |
| NOx STAB | PPB/PPM | ≤ 1 PPB WITH ZERO AIR |
| SAMPLE FLOW | CM ³ | 500 ± 50 |
| OZONE FLOW | CM ³ | 80 ± 15 |
| PMT SIGNAL WITH ZERO AIR | MV | -20 TO 150 |
| PMT SIGNAL AT SPAN GAS CONC | MV PPB | 0-5000MV 0-20,000 PPB |
| NORM PMT SIGNAL AT SPAN GAS CONC | MV PPB | 0-5000MV 0-20000PPB |
| AZERO | MV | -20 TO 150 |
| HVPS | V | 400 – 900 |
| RCELL TEMP | °C | 50 ± 1 |
| BOX TEMP | °C | AMBIENT ± 5°C |
| PMT TEMP | °C | 7 ± 2°C |
| IZS TEMP* | °C | 50 ± 1°C |
| MOLY TEMP | °C | 315 ± 5°C |
| RCEL PRESS | IN-HG-A | <10 |
| SAMP PRESS | IN-HG-A | AMBIENT ± 1 |
| NOx SLOPE | | 1.0 ± 0.3 |
| NOx OFFSET | | 50 TO 150 |
| NO SLOPE | | 1.0 ± 0.3 |
| NO OFFSET | | 50 TO 150 |
| ETEST | PMT MV | 2000 ± 1000 |
| OTEST | PMT MV | 2000 ± 1000 |
| Values are in the Signal I/O | | |
| REF_4096_MV | MV | 4096mv ±2mv and Must be Stable |
| REF_GND | MV | 0± 0.5 and Must be Stable |

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2. WHAT ARE THE RCELL & SAMPLE PRESSURES WITH THE SAMPLE INLET ON REAR OF MACHINE CAPPED?

RCELL PRESS - _____ IN-HG-A **SAMPLE PRESSURE** - _____ IN-HG-A

3. WHAT ARE THE FAILURE SYMPTOMS? _____

4. WHAT TEST(S) HAVE YOU DONE TRYING TO SOLVE THE PROBLEM? _____

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.