

# Warranty/Repair Questionnaire Model 200E

CUSTOMER: \_\_\_\_\_ PHONE: \_\_\_\_\_

CONTACT NAME: \_\_\_\_\_ FAX NO. \_\_\_\_\_

SITE ADDRESS: \_\_\_\_\_

MODEL 200E 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
NO <sub>x</sub> STAB	PPB/PPM	≤ 1 PPB WITH ZERO AIR
SAMPLE FLOW	CM <sup>3</sup>	500 ± 50
OZONE FLOW	CM <sup>3</sup>	80 ± 15
PMT SIGNAL WITH ZERO AIR	MV	-20 TO 150
PMT SIGNAL AT SPAN GAS CONC	MV	0-5000MV
	PPB	0-20,000 PPB
NORM PMT SIGNAL AT SPAN GAS CONC	MV	0-5000MV
	PPB	0-20000PPB
AZERO	MV	-20 TO 150
HVPS	V	400 – 800
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
NO <sub>x</sub> SLOPE		1.0 ± 0.3
NO <sub>x</sub> 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

TELEDYNE API CUSTOMER SERVICE

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2. WHAT IS 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 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.

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