

35 Point Density Meter PM Checklist

CHECKED AND PASSES INSPECTION			
MAY NEED FUTURE ATTENTION			
REQUIRES IMMEDIATE ATTENTION			
			Exterior Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The bench is level and the instrument does not wobble
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is adequate space around the instrument
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The instrument feet are not damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The temperature of the lab is acceptable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is no acid nor base preparation near the instrument
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The instrument is away from exhausts from other instruments
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The fan filter is installed, clean, and the air is flowing at an adequate speed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Humidity in the lab is not too high to affect the operation of the instrument
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Instrument's being controlled by the Density Meter are functioning properly
			Interior Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is no sample leaking inside of the inside of the instrument
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The electronic boards are free from oxidation or contamination
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All cable connections are secure and not damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power supplies are inspected and voltages checked
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All gasket(s) and sealing properly and not damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power entry circuit is inspected for visual damage
			Front-End Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	U-tube is not stained, dirty or cloudy
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No visual signs of leakage in or around the u-tube
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	U-tube environmental shell is sealed properly and the windows cleaned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Connections on the oscillator interface board are not oxidized or damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The nozzle bodies is connected properly and injection fittings inspected/replaced
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The fill nozzles are inspected and reformed/replaced
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Heatsink assembly is clean, attached properly and has adequate airflow
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Peltiers are installed properly and the tension bolts are tight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Air pump is flowing adequate air and tubing connections are secure
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measure and reference oscillator Vpp checked/adjusted to proper levels for F0 mode
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measure and reference oscillator Vpp checked/adjusted to proper levels for F1 mode
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utube temperature control power functions checked through a terminal program
			Camera VideoView Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All cable connections are secure and not damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Camera lens is clean and focused
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Camera mirrors are aligned properly and clean
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	U-tube image displayed on the user interface software is clear, bright and centered
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Camera glide and motor move freely (mechanical glide camera only)
			Display assembly Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The display is clear and easy to read
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The touch panel is not damaged and is aligned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The display assembly gasket is not swollen or damaged