

## DensityPRO+ TRAINING COURSE OUTLINE

Session	Module 1	Module 2	Module 3	Lunch
Time	8:00 – 8:15 am	8:15 – 9:15 am	9:15 - 11:30 am	11:30 - 12:30 pm
Day 1	<p><b>Course Basics</b> Welcome Introductions Get Acquainted Course Objectives Detailed Course Agenda</p>	<p><b>Product Information</b> Product Definition Application Gauge History Theory of Operation Types of Radiation Source Detector(s): Ion and Scintillation Radioactive Decay-Half Life Cesium 137 vs Cobalt 60 Operating Temperature Optional Temperature input Model 1400 Transmitter: Operating Temperature DC Input Power vs AC Input Power Display Standard Equipment Optional Equipmen Alarms Density Calculations Flow Meter Input Communication Devices Basic Radiation Safety Test Your Knowledge Exercise Facility Tour</p>	<p><b>Hardware</b> Source: Shutter Actuator Lock Tag Scintillation Detector: Accessing the Interior Scintillation Adapter Board Power Supply Board Optional Temp Comp Board Wiring Diagram Hardware Review Ion Detector: Pre-Amp Power Supply Board Optinal Temp Comp Board Model 1400 Transmitter: Keypad Accessing the Interior Board Placement Display Board Optional AC power Supply CPU Board I/O Relay Boards Hart Communication's Board Detector Interface Board Transmitter Hardware Review Spare Parts</p>	<p>Approximate Time</p>

Session	Module 4 (Hands-On)	Module 5 (Hands-On)	Module 6 (Hands-On)	Module 7 (Hands-On)
Time	12:30 - 1:30 pm	1:30 - 3:30 pm	3:30 - 4:00 pm	4:00 – 5:00 pm
Day 1	<p><b>Hardware Installation</b> AC Power Wiring Detector to Transmitter Wiring Current Output Wiring</p>	<p><b>Programming</b> Configuring With Model 1400 Transmitter: Setting Up Density, Den, Alarms &amp; Flow Setting Up Additional Measurements Gauge Fine Tuning: Standardization/Calibration Setting Up Current Output &amp; Alarms Action Items Serial Ports, Contact Inputs, &amp; Special Functions Security, Diagnostics &amp; Service Menus</p>	<p><b>Maintenance</b> Maintenance Schedule Shutter Check Tag and Label Check Source Check Leak Testing: Leak Testing Regulatory Timeframe Leak Test Service Using the Leak Test Kit Leak Test Results Hands-On Leak Test Activity</p>	<p><b>Troubleshooting</b> Display Detector Detector Interface Board AC Power Supply CPU Board I/O Relay Board Help from Thermo</p>