

LevelPRO 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>Course Basics Welcome Introductions Get Acquainted Course Objectives</p>	<p>Product Information Product Definition Application Gauge History Ionizing Radiation Defined Type of Ionizing Radiation: Alpha, Beta, Gamma Rays LevelPRO Hardware: Source: Radioisotopes Cobalt 60 Cesium 137 Source Sizes Source Theory of Operation Types of Sources: Strip Source Fan Source Source Configuration Examples Integrated Detector / Transmitter: Standard Detector Water Cooled Detector Detector Theory of Operation Power Actuator Range Measurable Range: Top of Range Bottom of Range Fan Source Examples Strip Source Examples Multiple Detectors / Sources Transmitter Electronics Transmitter Theory of Operation Alarms Communication Devices Radiation Safety Video</p>	<p>Hardware Source: External Hardware Detector / Transmitter Accessing Housing: Cable Feeds Warning Label Wiring Guide CPU Board 115 / 230 AC Power Board 115 / 230 AC Power Board w / Relays Detector Interface Board 4-20 mA Output Board: Isolated 4-20 mA Self Power 4-20 mA Loop Power 4-20 mA Non-Isolated Power Hart Interface Board Recommended Spare Parts Question & Answer Period</p>	<p>Approximate Time</p>

		Test Your Knowledge Exercise		
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 - 3:00 pm	3:00 - 4:00 pm	4:00 – 5:00 pm
Day 1	Hardware Installation Installation Discussion AC Power Wiring Connecting a Hart Handheld	Programming Configuring/Calibrating: With Hart Handheld Configuring/Calibrating: With Thermo's 9734	Maintenance Maintenance Schedule Shutter Check Tag and Label Check Source Check Leak Testing: Leak Testing Regulatory Timeframe Thermo's Leak Test Service Using Thermo's Leak Test Kit Leak Test Results Hands-On Leak Test Activity	Troubleshooting X-Ray Interference Inner Vessel Wall Deposits Hand-On Troubleshooting Exercise Troubleshooting Discussion Contacting Technical Support