

KRILPRO Training Course Outline

Session	Module 1	Module 2	Module 3	Lunch
Time	8:30 – 9:00 am	9:00 – 10:30 am	10:30 - 11:30 am	11:30 - 12:30 pm
Day 1	<p>Course Basics Welcome Introductions Get Acquainted Course Objectives Detailed Course Outline</p>	<p>Product Information Gauge History Application Product Definition Delayed Coking Explained: Definition of Coke Types of Coke Coke Drum Operation Decoking Explained KRILPRO's Purpose in Delayed Coking By Products of Delayed Coking KRILPRO's Principle of Operation Types of Ionizing Radiation: Neutrons Radioactive Decay Basics of Neutron Backscatter Typical KRILPRO Gauge Setup How it Works Transmitter Readout Specifications Source/Detector: Weight Power Enclosure Operating Temp Range Transmitter: Enclosure Power Electronics Certifications Operational Temp Range Programming Tranmitter Alarms Password Protection Communication Devices Radiation Safety Basics</p>	<p>Hardware Exterior Components Interior Components: Detectors Pre-Amp Controller Junction Box Transmitter: Model 1400 Transmitter: External Hardware Internal Hardware Serial Communications Wiring VPI Board I/O Relay Board Hardware Review Spare Part's List Test Your Knowledge Exercise</p>	<p>Approximate Time</p>

		Facility Tour		
Session	Module 4 (Hands-On)	Module 5 (Hands-On)		
Time	12:30 - 1:30 pm	1:30 - 5:00 pm		
Day 1	<p>Hardware Installation Detector, Transmitter Wiring General Installation Installation & Commissioning Transmitter Installation Detector Installation: Standard Mounting Wiring Ac Power Supply Transmitter to Detector Wiring Wiring Diagrams Assessment</p>	<p>Software Interfacing Basic Setup: Background Value Standardization Value Source Half-Life Calibration: Time Constant Cal Point 1 Cal Point 2 Direct Access: Parameter DACs Command DACs Current Output: Self-Powered Loop-Powered Current Hold Clear Holds Diagnostics: Program revision Direct Snapshot Dynamic Process Tracking Board ID / Location Jumper Setting System restart</p>		