



TERMINALS: ENRAF TANK GAUGING SYSTEM WITH SERVO AND RADAR TECHNOLOGIES

Honeywell Academy

COURSE OVERVIEW

Course Duration: 5 Days

Prerequisite Course (s): None

The course presents the Honeywell Servo and Radar technologies used in Tank Inventory management systems at Terminals, Refineries and Bulk plants. It includes hands-on lab exercises where students perform installation, configuration and troubleshooting techniques.

The course is divided into four sections. It covers Servo, Radar tank gauging options such as VITO, water measurement, pressure and HIMS density.

COURSE DELIVERY OPTIONS

- Instructor-Led Training (ILT)

COURSE OBJECTIVES

+HO – Hands On

Servo Technology

- Servo working principle
 - Series 854 ATG hard and software (+HO).
 - Aspects of Installation & some safety requirements.
 - Commissioning & level calibration (+HO)
 - Basic Servo features incl. commands (+HO).
- Series 954 SmartServo FlexLine
 - Hardware and software
 - Some elementary features incl. commands (+HO)
 - Other features incl. level corrections (+HO).
 - Basic Servo features incl. commands (+HO).
- FlexLine and FlexConn technology
 - Maintaining FlexConn boards incl. diagnostics, firmware upgrade (Engauge Pro) (+HO).
 - Temperature, Pressure/ & Density measurement
 - FII-VT, FII-HT, FII-RTD, FCI-HRT with VITO Probes
 - RTD's & HART Pressure transmitters, HIMS (+HO).
- Other Gauge options
 - BPM, GPU, Modbus and TRL output with
 - HCI-BPM, HCI-GPU, HCI-TRL (+HO).
 - FII-DO relay contacts and alarms (+HO).
 - HCI-HAO Analog & HART output (+HO)

Radar Technology

- Smart Radar working principle (PSD level)
 - 990 FlexLine Hard & software, comm. & calibration (+HO).
 - PSD level and Reflection diagram (+HO)
 - Radar applications & antenna exchange (+HO).
- 990 FlexLine EPS (Enhanced Performance Signal)
 - Phase level, the features incl. Heimdall philosophy
 - Heimdall and its benefits, Engauge Pro (+HO).
 - Optimizing FlexLine performance (+HO).
 - High pressure application incl. verification pins (+HO)

Communication Interface Units

- CIU 888 Stand Alone operation
 - Hard- & Software, web interface (+HO)
 - Options, license and firmware incl. upgrading (+HO)
 - Setup site database incl. service tools (+HO)
 - Migration from existing sites (+HO)
 - Operations, diagnostics (+HO)

**THE
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