6. HMI and PLC

Training objectives
- To program a PLC with Unity Pro
- To study the display unit
- To program the HMI terminal with Vijeo Designer
- To operate the terminal
- To manage breakdowns via feedback from the terminal

Presentation
The console consists of a Modicon M340 PLC whose logic I/Os are on surface plate. Inputs and outputs are connected from an outside operational part in form of push buttons, limit switches and the indicators respectively. The analogue I/Os are placed remotely in the form of female connectors. The male connectors are pre-wired. A Magelis display unit enables operator dialogue.

Description

Contents	
Description	Quantity.
M340 Ethernet PLC	1
Discrete inputs hardwired on switches and on JAEGER 27-pin connectors	16
Discrete outputs hardwired on double-recess plugs and on JAEGER 19-pin connectors	16
Analog inputs on JAEGER 4 and 8-pin connectors	4
Voltage and current analog output, on JAEGER 4-pin connectors	1
Voltage and current analog output, on double-recess sockets	1
5.7" HMISTU Ethernet colour touch screen terminal	1
24 VDC 4 A power supply on sockets - set of programming cables for the PLC and display unit - set of cables with round male connectors and flying leads	1 1 1
Software license	1

References	
Description	Reference No.
Training kit for HMI + PLC	AET-P01-HPL