A **KOHLER** COMPANY

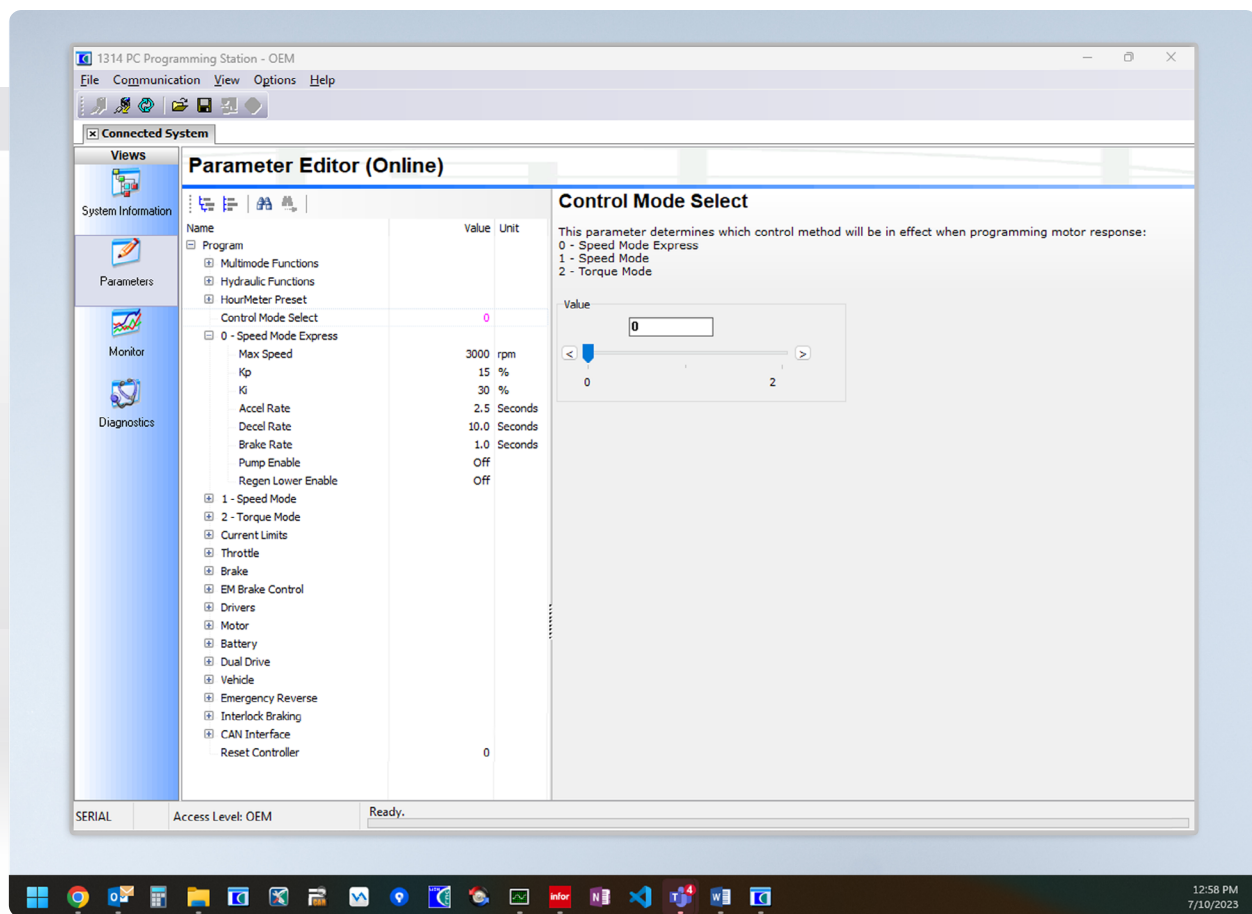**CURTIS**

Accessories

PC Programming Station for Curtis Programmable Devices

Model 1314 - Version 4.x.x

Model 1314 - Version 4.x.x

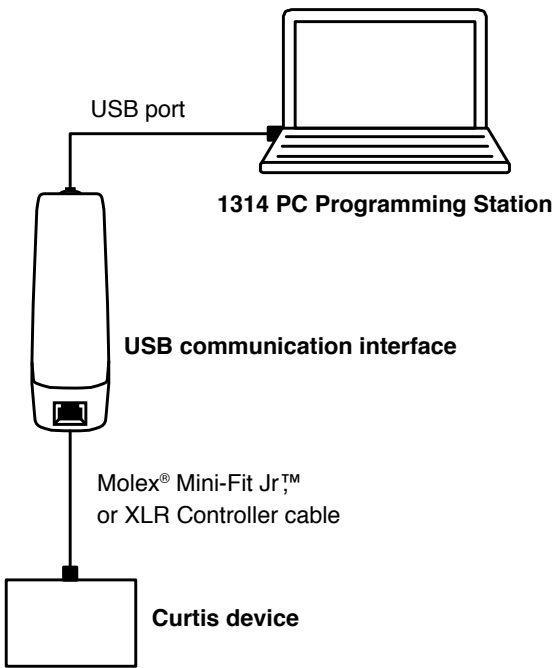## PC Programming Station for Curtis Programmable Devices

The 1314 PC Programming Station provides comprehensive and intuitive programming, monitoring and system diagnostics for all Curtis programmable motor speed controllers and control systems.

The 1314 PC Programming Station is intended for use by vehicle OEMs, dealers, and service engineers. It provides a powerful Windows interface for adjusting settings, troubleshooting, and recording the parameters of any Curtis speed controller or auxiliary device.
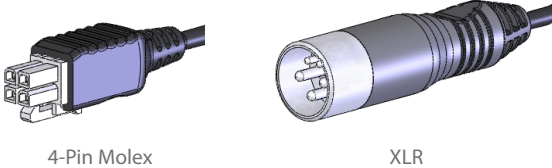
FEATURES

► View and adjust controller programmable parameters.

► Real-time monitoring of system variables such as voltage, temperature, and current.

► Saves all data – parameter values, monitor values, history logs, etc. – in a single file.

► Logs system variable values for specified intervals.

► Clone data between controllers.

► View active fault codes and system timers.

► View and clear controller fault history log.

► Online help and automatic update function.

USB port

1314 PC Programming Station

USB communication interface

Molex® Mini-Fit Jr™
or XLR Controller cable

Curtis device

MODEL CHART

Model Number	Part Number	Description	Comments
1314K-4401	17748700	OEM	Kit includes: USB drive, USB interface, Molex cable
1314K-3301	17748701	Dealer	Kit includes: USB drive, USB interface, Molex cable
1314K-2201	17748702	Service	Kit includes: USB drive, USB interface, Molex cable
1314K-1101	17748703	User	Kit includes: USB drive, USB interface, Molex cable

Cable Options	Part Number
Cable 4-Pin Molex	16185
Cable XLR	36378005

4-Pin Molex

XLR

Model 1314 - Version 4.x.x

PC Programming Station for Curtis Programmable Devices

TYPICAL PROGRAMMING SCREENS

Views

- System Information
- Parameters
- Monitor
- Diagnostics

System Information (Online)

123XEGeneric

Model:	123XEGeneric
Serial Number:	116831
Protocol Version:	2
Parameter Block Version:	0
Model Number:	12322323
Mfg Date Code:	16061
Hardware Version:	1.077
OS Version:	37
Build Number:	125
SM Version:	2.10
Param Blk Version:	1.01
VCL App Version:	1.14
Vehicle Serial Number:	12865

Views

- System Information
- Parameters
- Monitor
- Diagnostics

Parameter Editor (Online)

Name	Value	Unit
⊟ Program		
⊞ Multimode Functions		
⊞ Hydraulic Functions		
⊞ HourMeter Preset		
Control Mode Select	0	
⊟ 0 - Speed Mode Express		
Max Speed	3000	rpm
Kp	15	%
Ki	30	%
Accel Rate	2.5	Seconds
Decel Rate	10.0	Seconds
Brake Rate	1.0	Seconds
Pump Enable	Off	
Regen Lower Enable	Off	
⊞ 1 - Speed Mode		
⊞ 2 - Torque Mode		

Control Mode Select

This parameter determines which control method will be in effect
0 - Speed Mode Express
1 - Speed Mode
2 - Torque Mode

Value

`0`

< 0   2 >

TYPICAL PROGRAMMING SCREENS   continued

Views

- System Information
- Parameters
- Monitor
- Diagnostics

Monitor (Online)

Name	Value	Unit
Monitor		
⊞ Inputs		
⊟ Outputs		
Analog Out	0.00	Volt
Digital Out 6	Off	
Digital Out 7	Off	
Driver 1 PWM	0	%
Driver 2 PWM	0	%
Driver 3 PWM	0	%
Driver 4 PWM	0	%
PD PWM	0	%
PD Current	0.00	Ampere
5 Volts	5.06	Volt
12 Volts	12.00	Volt
Ext Supply Current	31	mAmpere
Pot Low	0.24	Volt
⊞ Battery		
⊞ Motor		
⊞ Controller		

Watch List

Watch	Value	Unit
Inputs | Throttle Command	0.0	%
Inputs | Brake Command	0.0	%
Motor | Motor RPM	0	rpm
Motor | Temperature	200	deg C
Controller | Current (RMS)	0.3	Ampere
Controller | Temperature	-50	deg C

Views

- System Information
- Parameters
- Monitor
- Diagnostics

Diagnostics (Online)

Active Faults | Error History

Actual system errors

Error Text	Error Description
Motor Temp Sensor Fault	
Main Open/Short	

WARRANTY   Two year limited warranty from time of delivery.

The Curtis Difference
You feel it when you drive it