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CONTROLLERS

Alpha Controller

Operates any QPM tool from 0.5 to 2000 Nm—either stand-alone or as part of a networked system. Alpha Controllers can be setup from the front panel, a laptop, or any remote computer on the network.

The operator interface includes a keypad for input, an information display selected from multiple languages, and high/low/accept cycle status lights. QPM software for configuration and analysis can connect through an optional Ethernet network or standard serial connection to a single PC.

Fieldbus options enable data input or output from a Plant PLC through either a DeviceNet or Profibus connection. A 24 VDC Input/Output option enables error proofing, parameter selection from a socket tray or similar device, and remote control for fixtured tools.

[1][01] WIZARD
Strategy Torque

Menu-driven user interface for the easy, advanced, and expert programming of fastening parameters is accessible from the front panel, a local laptop connection, or remotely over a network connection.

22.5-27.5 Nm
1040 rpm ATC

Displays settings for parameter set, such as torque range and ATC downshift.

[01] WIZARD
Cambia PS? Si

Select local language to program controller screens.

[01] #9999 STP
25.03 161°

[01] #255
20050117 051729

Each Alpha controller stores and displays 10,000 cycle results, including:

- Status Flags, Torque reading, Angle reading
- Date, time, and part identification (barcode)

[01] Torque Angle
Cpk 3.27 2.56

Displays wide range of statistics, including:

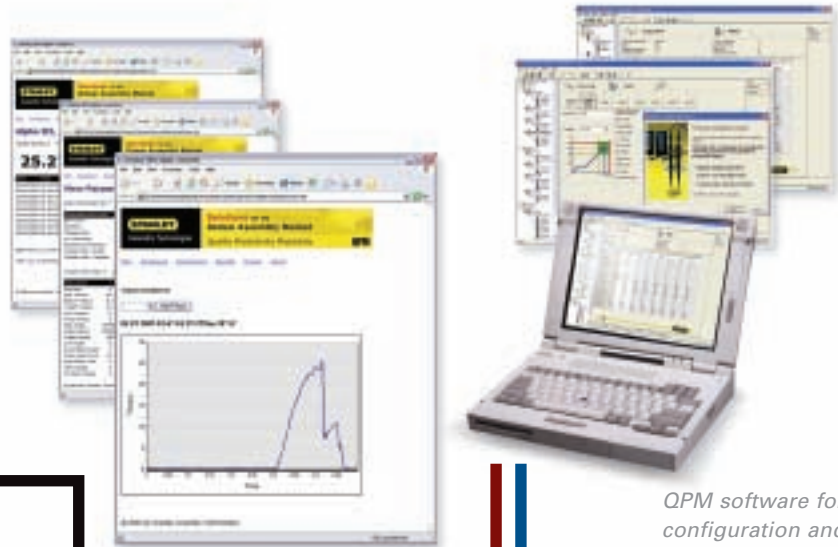
- CP, CPK, CR, CPL, CPU, CAM
- n, n High, n Low
- \bar{X} , \bar{X} , R, Max, Min
- \bar{R} , σ , n σ
- PP, PPK, PR



Plinth provides convenient and protected cable routing plus quick release mounting for the controller.

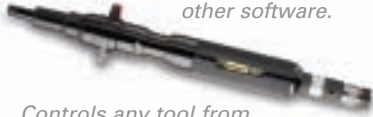


View controller rundowns, parameters, and traces from QPM controllers using the standard web browser of any computer connected to the same network. Requires no other software.



QPM software for configuration and analysis can connect through an Ethernet network or standard serial connection to a single PC.

Controls any tool from 0.5 to 2000 Nm in any model configuration.



Remote operation for tools mounted in machines, fixtures, or arms.



Error proofing I/O assures the job cannot inadvertently leave station unless fastened as specified.



Socket tray for error-proofed fastening parameter selection enables a single tool to reliably assemble joints of different target torque levels.



Power supply: 115 to 230V at 50 or 60 Hz



Plant PLC interface for error proofing using either DeviceNet or Profibus. Alpha supports both I/O Mapping and Explicit Messaging.

Serial interface enables input of part ID and printing of results.



ALPHA MODELS

	EXX	EDX	EPX	EDV	EPV	EXV	XDX	XPX	XDV	XPV	XXV
Ethernet	■	■	■	■	■	■					
Device Net		■		■			■		■		
Profibus			■		■			■		■	
Serial	■	■	■	■	■	■	■	■	■	■	■
24V DC I/O				■	■	■			■	■	■