

## Siemens ES4 Programmable Electronic Controller

*Included on all KC4 Series Crimpers*



Siemens ES4 Programmable Logic Controller, with 7" wide, full-color, touch-screen display. Provides the following crimp control options and features, in an easy to understand and navigate format, improving crimp quality, safety, and reduced crimp cycle times.

**Crimp Specification Memory** - Stores up to 1,000 separate hose crimp specifications for immediate recall.

**Crimp Diameter Calculator** – Automatically calculates crimp diameter based on hose ID, OD, shank OD and ferrule thickness.

**Multiple Crimp Cycles** - Choose between manual, automatic and semi-automatic crimping modes, with the ability to toggle between modes during crimping.

**LAN or WiFi Connection** – Allows for easy uploading, downloading or editing of crimp specs via computer, as well as the ability to actively view the ES4 screen on computer or iPhone in order to monitor the crimping process.

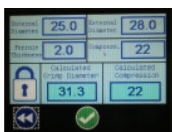
**USB Port Connection** - Allows for easy uploading or downloading of crimp specifications in CSV format.

**Adjustable Reopen Diameter** – Allows operator to set a smaller reopen diameter, eliminating the need for the dies to fully reset in between crimps, reducing crimp cycle time when doing multiple crimps of the same type.

**Quality Check Function** - Compares actual recorded crimping pressure with pre-determined acceptable pressure range in order to help ensure crimp was performed properly and help catch anomalies.

**Pressure Controlled Crimping** - Allows for crimping according to force instead of diameter.

**Service Notifications** - Alerts operator to factory service recommendations such as oil changes, filter changes, maintenance inspections, calibrations, etc.



**All ES4 models equipped with built-in crimp diameter calculator.**



**All ES4 models come equipped with built-in factory service suggestion notification alerts.**

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## ES4 UPGRADE OPTIONS

**Self-correcting Digital Caliper** – Electronic caliper directly connected to the crimper eliminates the possibility of user error. Requires operator to properly zero out caliper before checking hose and automatically calculates any additional crimp that may be required due to “spring-back.”

**Crimp History Data Save** – Automatically records crimp history, including operator name, batch number, crimp diameter, crimp corrections and crimp dies used for export onto CSV file.

**Multistep Crimp Option** – Executes up to 5 different crimp diameters in succession. Reduces cycle time in instances when crimping multiple hoses when more than one crimp diameter is required.

**Crimp Spec Barcode Reader** – Links your most commonly used crimp specifications to a printable barcode for instant call-up. Bar code scanner included.

**Webcam** – Camera allows operator to view crimping process through 8" monitor. Includes additional LED lighting for better visibility.



*Digital Caliper automatically generates crimp correction for safety.*



*Barcode Reader instantly calls up saved crimp diameter*

### Digital Caliper



Part Number	Works with Crimpers
ES4-DIGCAL-V59	KC4-V59 & KC4-V150
ES4-DIGCAL-V159	KC4-V159 & KC4-V160
ES4-DIGCAL-V250	KC4-V250, KV4-V300 & KC4-V450

### Barcode Reader



Part Number	Works with Crimpers
ES4-BCODE-V59	All KC4 Series Models

### Crimp History Data Save



Part Number	Works with Crimpers
ES4-DATASAVE	All KC4 Series Models

### Webcam



Part Number	Works with Crimpers
ES4-WEBCAM	All KC4 Series Models

### Multistep Crimping



Part Number	Works with Crimpers
ES4-MULTI	All KC4 Series Models

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