APEX® 30M MECHANIZED CONTROLLER
Portable Controller and Feeder for Orbital Welding

One Controller, Complete Control
• Light-weight, portable controller up to 100 ft (30.5 m) from power source
• Integrated digital motion control system and wire feeder as a single unit
• Eliminate additional equipment such as cranes, fixtures and platforms
• Simplify cable management for ease of portability

Efficient Implementation
• Minimal set up required due to reduced infrastructure
• Control and monitor processes for welding consistency
• Data logging for archiving and reporting

Flexible System Configurations
• Combine the controller with the HELIX® M85 Weld Head, Power Wave® S Series welders or Vantage® 600 SD/Air Vantage® ArcLink® enabled engine driven welders to create a completely versatile solution
• All system components are developed and supported by Lincoln Electric®

Applications
• Structural
• Maritime
• Power Generation
• Pipeline
• Process Piping
• Construction

Product Highlights
Operating platform incorporates a wire feeder and controller, and the APEX 3000 Digital Control Module.

Orbital Portable Welding System Ready-Pak® (K52165-2) includes:
• APEX 30M Portable Controller and Feeder
• Power Wave S500 Welder
• HELIX M85 Weld Head
• APEX Controller Pendant
• Mechanized Torch 550A, 15 ft (4.6 m)
• APEX 30M System Cart

Processes
MIG, Pulsed MIG, Flux-Cored, GMAW – STT®

Input

Output

Key Accessories
• APEX Operator Pendant
• Power Wave Advanced Process Module
• Power Wave STT® Process Module
• HELIX Quick Release Track Ring and Shoe Extensions
CUSTOMER ASSISTANCE POLICY

The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers’ particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

APEX® 30M PORTABLE MECHANIZED CONTROLLER AND FEEDER - SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Input Power</th>
<th>Output Range</th>
<th>Wire Diameter Range (mm)</th>
<th>Wire Feed Speed (ipm/m/min)</th>
<th>Wire Spool Size (lb/kg)</th>
<th>H x W x D in (mm)</th>
<th>Net Weight lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K52160-1</td>
<td>40VDC</td>
<td>5-500</td>
<td>Solid: 0.035-1/16 (0.9-1.6)</td>
<td>30-1200 (0.8-30.5)</td>
<td>10-44 (4.5-20)</td>
<td>15.3 x 25 x 10.9 (387.6 x 635 x 276.9)</td>
<td>49.2 (22.3)</td>
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