



VRTEX[®] Engage[™]

WELD TRAINING SOLUTIONS

LINCOLN[®]
ELECTRIC



WELDING STARTS HERE

For some, the first step into the virtual learning environment can be a big one. Lincoln Electric makes that first step easier with VRTEX® Engage™. This standalone foundational system is designed to introduce students to the skilled trades - specifically arc welding.

VRTEX Engage includes a touch screen monitor, welding gun, tracking device and a work surface. It's all contained in a lightweight and portable carrying case that can be deployed in any setting – industrial, educational or elsewhere.

VRTEX Engage is a cost-effective tool designed to help educators train welders more efficiently and engage students to explore a career in welding. The system addresses introductory welding lessons, including safety, machine and process selection, welding procedure set up, welding theory and more.

The road to educating a skilled welding workforce starts with one small step. Make that small step a giant leap with VRTEX Engage.



Learn Anywhere

The portable VRTEX Engage system sets up anywhere to introduce skilled trades to students who are ready to explore a possible career in welding or consider degree programs in engineering and related fields.

Capable Education Tool

VRTEX Engage provides instant feedback and assessments on safety and correct welding procedure settings. Students may view a demo of each weld, perform the weld and replay their own weld with the instructor for review and analysis.

One Small Step

VRTEX Engage provides an introductory environment that incorporates STEM features, exposure to welding safety, procedures and techniques.

No Fees. No Waste.

VRTEX Engage helps your program reduce overall operating costs, as there is NO waste - no use of steel, electrodes, wire, shielding gas. And, with VRTEX Engage, there is no licensing requirement and no annual fees.

VRTEX Welding Transfer Modes »
Simulates short arc, spray and pulse

Virtual Output »



Input »



Product Number »

- K4299-1 (Standard Frequency)
- K4299-2 (Alternate Frequency 1)
- K4299-3 (Alternate Frequency 2)
- K4299-4 (Alternate Frequency 3)

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Input Current	Operating System	Processor / Memory	Hard Drive	H x W x D in (mm)	Net Weight lb (kg)
VRTEX® Engage™	K4299-1 (Standard Frequency)	115/230/1/50/60	1A @ 115, 0.5A @ 230	MS Windows® 7 Professional 32-bit	Intel® Core® i5 Quad / 4GB	128 GB Solid State Drive	24.5 x 19.37 x 12.22 (622.3 x 492 x 310.4)	50 (22.6)
	K4299-2 (Alternate Frequency 1)							
	K4299-3 (Alternate Frequency 2)							
	K4299-4 (Alternate Frequency 3)							

CUSTOMER ASSISTANCE POLICY

The business of 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.

The Lincoln Electric Company
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