



REALWELD
WELD TRAINING SOLUTIONS

LINCOLN[®]
ELECTRIC



K4344-6
One-Pak® Package Shown

Weld Training Solutions

Adding a REALWELD® Advanced Trainer to your welding program can help you improve training results. Using the system's Arc OFF mode, your students can practice, troubleshoot and master welding techniques while reducing program material costs, including welding plate, electrode or wire and shielding gas. With audio coaching and instructor review of objective scores on five welding parameters, your students hit the booth running to speed up comprehension and training time. And, greater understanding and mastery of techniques means higher certification rates. When used with advanced welding equipment like the Power Wave® 300C, REALWELD exposes your students to advanced manufacturing technologies used in industry today. With more opportunities for guided skills practice, your students will be better prepared to WELD, SCORE and SUCCEED in their new career path.



Stick to Learning

Why settle for just GMAW training? The REALWELD Trainer also takes students through SMAW and FCAW welding procedures and techniques.

Listen and Learn

The most effective learning experience is the one that engages multiple senses. The REALWELD Trainer includes an audio coach – that provides guidance with weld speed, angles, aim, contact tip to work distance/arc length and position in the weld. Audio cues can be turned off at any time, allowing the student or prospective employee to demonstrate learned behaviors.

Go Long

The REALWELD Trainer allows the student to practice multi-pass capability on positions 1F, 2F, 3F, 4F, 1G, 2G, 3G on lap, tee, groove and flat plate coupons with up to 1 in. (25.4 mm) plate on 6 in. (152 mm) or 18 in. (457 mm) coupons. Longer welds replicate more closely common field conditions.

Knowledge in a Small Space

The REALWELD Trainer's slim, vertical design maintains a small footprint that makes the system ideal for setting up in any weld booth to provide an optimal training experience. The system easily rolls through any standard doorway.

Reporting Capability

The system provides instant feedback and can help the instructor with reporting and student evaluation.

Motor Up

Motorized carriage makes it easy to move the table and arm for welding in flat, vertical or overhead positions.

Everything in its Place

Fixture storage racks accommodate all fixtures, including 6 in. (152 mm) and 18 in. (457 mm).

WPS Editing Capability

Create an unlimited number of customizable Welding Procedure Specifications (WPS)

Go Offline

Desktop Instructor allows the instructor to create or modify WPS tolerances and user profiles at their own laptop or office desktop computer. Software available in 12 languages.

Common Lincoln Electric WPS Platform

Use pre-loaded or instructor customized WPS.

Processes »

SMAW, GMAW, FCAW

Applications »

High School, Technical College, Engineering, Union or Industrial Training Centers

Output (Power Wave® 300C) »



Input (REALWELD Controller) »



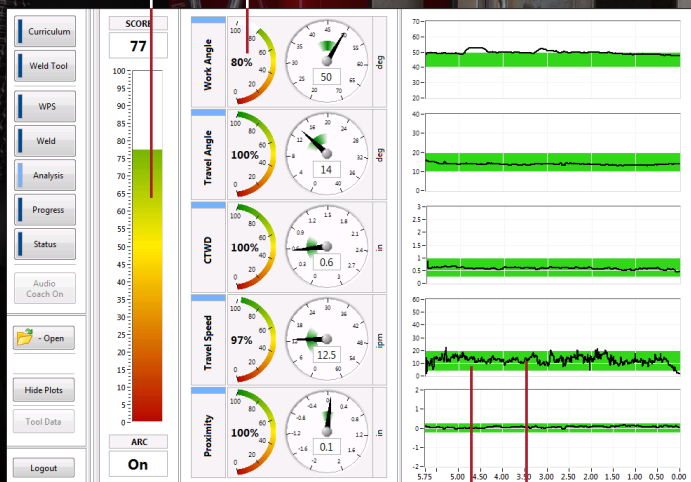
Product Number »

- K4344-1 (Base Model)
- K4344-6 One-Pak

Weld Analysis:
% of time welder is
within tolerance on
ALL 5 parameters

% of time parameter
is within tolerance

REALWELD includes an
integrated touchscreen,
usable even with gloved hands.



Welder's action
(line)

Tolerance
(green section)

REALWELD Positions

REALWELD Trainer teaches multiple welding processes in a number of welding positions (1F, 2F, 3F, 4F, 1G, 2G, 3G) and joints (lap, tee, groove, flat plate).



Table Position 1
Position: Flat



Table Position 1
Position: Horizontal



Table Position 2
Position: Overhead



Table Position 3
Position: Vertical

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Operating System	Processor / Memory	Hard Drive	Ports (QTY) USB 2.0 / Ethernet	H x W x D in (mm)	Packaged Net Weight lb (kg)
REALWELD® Trainer	K4344-1	115/230/1/50/60 3A@115VAC, 1.5A@230VAC	Windows® 7 (32-Bit)	Intel® Core® i3 / 4GB	High Performance 256GB	2 / 2	Lowered: 78 x 36 x 36 (1943 x 914 x 914) Raised: 101 x 36 x 36 (2540 x 914 x 914)	400 (882) w/ Crate 500 (1102)
REALWELD Trainer One-Pak®	K4344-6							625 (1378) w/ Crate 700 (1544)

ACCESSORIES	Product Number	REALWELD Trainer Base Model [K4344-1]	REALWELD Trainer One-Pak® [K4344-3]
GENERAL			
Clamps – Qty. 2	–	•	•
Fixtures 6 in. (152 mm) – Set of 3	–	•	•
17 in. (432 mm) Protective Screen Covers	KP4353-1	•	•
Custom Calibration Tips & Markers for table, GMAW/FCAW gun and SMAW Electrode Holder	KP4354-1	•	•
Fixtures 18 in. (457 mm) – set of 3	K4344-2	•	•
Power Wave® 300C Welding Power Source	K4487-1	•	•
X-Tractor Mini with EN-20 Nozzle	K3972-5	•	•
STICK			
EH200 SMAW Electrode Holder	–	•	•

• Included • Optional



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CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications 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, or to provide engineering advice in relation to a specific situation. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

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