

NDT Supply.com

7952 Nieman Road
Lenexa, KS 66214-1560 USA



ETHER WeldCheck Eddy Current Flaw Detector



**“THE RIGHT TOOL FOR THE JOB!”
EDDY CURRENT FLAW DETECTOR**

The ETHER weldCHECK is designed for basic eddy current applications especially those field applications such as welding inspection on drilling rigs, amusement park rides and other demanding applications that require an easy to operate and view instrument.



BUILT WITH THE JOB IN MIND.

WeldCheck EC Flaw Detector Advantages:

- Large, Crisp Daylight Readable Display
- Easy to Use
- 8.5 Hrs + Battery Life
- Industry Standard Probe Connectors
- Great Eddy Current Performance
- Flippable for Left or Right Hand Operation

Phone: 913-685-0675
Fax: 913-685-1125

e-mail: sales@ndtsupply.com
web: www.ndtsupply.com

NDT Supply.com

7952 Nieman Road
Lenexa, KS 66214-1560 USA



ETHER WeldCheck Eddy Current Flaw Detector



DAYLIGHT VISIBLE LARGE COLOUR SCREEN

We understand that the operator will use the WeldCheck in all types of weather and light conditions and being able to see the screen clearly is a top priority.

The WeldCheck has a fully daylight readable 14.5cm LCD Colour Screen of 640 x 480 pixels ensuring the Operator has excellent signal resolution and presentation no matter what the working conditions are.

The operator has the choice of configuring their own color schemes and display types. This will optimize viewing ability of the screen in any light conditions. It is possible to view the display in spot, time-base, waterfall or meter display types.

WORKS THE WAY YOU DO!

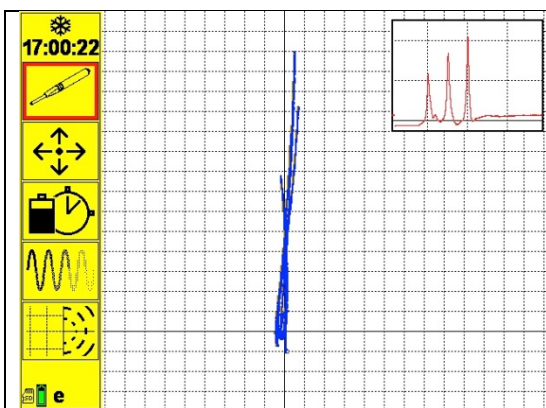
The WeldCheck has been created with user convenience and efficiency in mind at all stages of the design and manufacturing process. One Key Benefit of the WeldCheck is the ability to work identically in left-handed and right-handed mode; thanks to the incredible "Flip" function.



EASY TO USE WITH "ALL-IN-ONE" MAIN MENU

The WeldCheck features a simple "single-level" menu system. In addition, any menu item can be added to the "Quick Menu" sidebar with its own easily recognizable Icon enabling faster adjustments during the inspection process.

As with mobile phone or keyboard usage, our fingers become accustomed to repeating patterns of key presses. The WeldCheck keypad has been cleverly designed to exploit this trait, with all critical keys being in the same position regardless of whether the Instrument is being operated in "right-handed" or "left-handed" mode.



EASY ICON SYSTEM

In order to allow the operator to configure the instrument for ease of use there is a system of operator-selectable soft keys. Every menu item has its own easily recognizable icon. There are four soft key positions for operator selectable icons for frequently used functions and a fifth position for the last menu function used. Each saved instrument setting can be associated with a unique, one press set of quick access functions. There are also two front panel hard keys that can also be easily programmed for rapid one press access to instrument functions.

Phone: 913-685-0675
Fax: 913-685-1125

e-mail: sales@ndtsupply.com
web: www.ndtsupply.com

NDT Supply.com

7952 Nieman Road
Lenexa, KS 66214-1560 USA



ETHER WeldCheck Eddy Current Flaw Detector

LIGHTWEIGHT, COMPACT & RUGGED

We have built the WeldCheck with these points in mind. The WeldCheck weighs just 1.2kg and has a robust hardwearing metal casing with the internal design optimized to resist moist, tropical or salt-laden atmospheres.

21ST CENTURY CONNECTORS

Under the flap there is a USB Connection for fast data transfer, SD Card Slot and VGA output for classroom and head-up display use.

EXTRAORDINARY BATTERY LIFE

With more than 8.5 hours battery life with a 100kHz Weld Probe and maximum backlighting, the WeldCheck is an obvious choice when faced with a long day of Eddy Current NDT. With the internal memory able to store over 500 saved readings, the WeldCheck can easily be in the field for an entire shift without needing to be returned to base for charging.

Even better, the AA battery power pack can extend the battery running time for a further 4 hours.

EQUIPPED FOR ALL ENVIRONMENTS

We know that in an oilfield environment the WeldCheck is going to come up against some of the harshest working conditions in the NDT industry, not to mention being lifted and lowered on ropes, dropped and bumped.



With a rear foot stand and four harness attachment points, the WeldCheck is designed to be used in all environments from the desktop in the office to the rigors of the job site.

INDUSTRY STANDARD PROBE CONNECTOR

The WeldCheck is able to use absolute, bridge, reflection and connected probes and is fitted with the industry standard 12 Way LEMO Connector and a LEMO 00 for absolute probes.

Phone: 913-685-0675
Fax: 913-685-1125

e-mail: sales@ndtsupply.com
web: www.ndtsupply.com

NDT Supply.com

7952 Nieman Road
Lenexa, KS 66214-1560 USA



ETHER WeldCheck Eddy Current Flaw Detector

WeldCheck EC Flaw Detector Specification

Probe Connection		12 Way Lemo 2b (Absolute, Bridge and Reflection) and Lemo 00 (for single element absolute probes).
Frequency	Single Frequency	20Hz – 20.00 MHz with range variable resolution.
Gain	Overall	-12 to + 100 dB, 0.1 dB steps
	Input	0dB or 12dB
	Drive	0dB to 6dB steps (0dB reference 1mW into 50 ohm)
	Max X/Y Ratio	+/-76.0 dB
Phase	Range	0-359°, 0.1° steps
	Auto Phase	Allows phase angle to be automatically set to a pre set angle
Filters	Normal High Pass	DC to 2kHz or 1/4 test frequency which ever is the lower in 1 Hz steps. Plus variable adaptive balance drift compensation (0.01 - 0.5 Hz)
	Normal Low Pass	5 to 2kHz or 1/4 test frequency which ever is the lower in 1 Hz steps.
Balance	Manual	14 internal balance loads; 2.2µH, 5.0µH, 6.0µH, 6.5µH, 7.0µH, 7.5µH, 8.2µH, 12µH, 5µH, 18µH, 22µH, 30µH, 47µH, 82µH
Alarms	Box	Fully configurable, Freeze, Tone or visual.
	Sector	Fully configurable, Freeze, Tone or visual.
	Output	Open collector transistor (50v dc at 10mA max) available on 12 way lemo.
Display	Type	18 bit Colour, daylight readable, 5.7" screen.
	Viewable Area (Horizontal x Vertical)	115.2 x 86.4mm
	Resolution (pixels)	640 x 480
	Colour Schemes	User configurable including High Contrast
	Configurable screen	Full Screen, Single or Dual screen with variable size and location and function e.g. Screen – Spot and Timebase
	Display Modes	Spot, Time base (0.1-20 seconds * 1-200 sweeps), Waterfall and Meter None, Grid (4 sizes 5, 10,15 and 20% FSH), Polar(4 sizes 5, 10,15 and 20% FSH)
	Graticules	Trace Position: +/-50%
	Offset Digital Spot Position Readout	Display in X,Y or R,θ
Internal Data Storage	Setup Storage	microSD up to 2GB, holding over 500 saves.
	Stored Traces	microSD up to 2GB, holding over 500 saves.
Outputs	PC Connectivity	USB (Full PC remote control plus Real Time data)
	Digital volt free alarm	On Lemo 12 way
	VGA	Full 15 way VGA output
Languages		Initially English, French, German, Spanish, Italian, Portuguese, Czech, Polish. Others to follow.
Power	External	100-240 v 50-60Hz 30 Watts
	Battery	Internal 8.4V @ 3200mAH
	Running Time	Weld Probe plus 100% backlight over 8.5 hrs. up to 10.5 hrs. with 50% backlight.
	Charging Time	2.5 hrs. charge time, Simultaneous charge and operation.
Physical	Weight including Internal Battery	1.1 kg , 2.4 lbs.
	Size (width x height x depth)	223 x 141 x 49 mm / 8.8 x 5.6 x 1.9 inches
	Material	Aluminium alloy Mg Si 0.5 powder-coated
	Operating Temp	0 - 50 °C
	Storage Temp	-10 - 70 °C
	IP Rating	54

Phone: 913-685-0675
Fax: 913-685-1125

e-mail: sales@ndtsupply.com
web: www.ndtsupply.com

NDT Supply.com

7952 Nieman Road
Lenexa, KS 66214-1560 USA



ETHER WeldCheck Eddy Current Flaw Detector

WeldCheck Eddy Current Flaw Detector Kit



STANDARD WELDCHECK KIT

IWEL001	Instrument, WeldCheck, Single Frequency (20Hz-20MHz), Hand Held Portable Flaw Detector, Software + Manual on USB Stick
AWEL002	Accessory, WeldCheck, Power Adapter + Input Plugs (UK, EU, US & Australia)
AWEL003	Accessory, Adjustable Shoulder Strap, Padded with Quick-Release
AC005	Accessory, Instrument Soft Carry Case
A090	USB Cable, A to MIN B, 1 meter
40449	Quick Reference Card – WeldCheck

OPTIONAL ACCESSORIES

AWEL004	Accessory, Hard Transit Case (WeldCheck)
AWEL005	Accessory, Protective Splash Proof Cover
AWEL006	Accessory, External, 8 x AA Battery Holder and On/Off Switch
AWEL006	Accessory, Wrist Strap
AWEL008	Accessory, In car Power Adapter
ALL12-L04-015R	Accessory, Lead, Lemo 12-Way - Lemo 4-Way, 1.5m (Reflection)
ALL12-L04-015B	Accessory, Lead, Lemo 12-Way - Lemo 4-Way, 1.5m (Bridge)
ALLCX-M02-015A	Accessory, Lead, Lemo 00 to Microdot, 1.5m (Absolute)
ALLCX-B02-015A	Accessory, Lead, Lemo 00 to BNC, 1.5m (Absolute)

STANDARD WELD INSPECTION PACKAGE

Our Standard Weld Inspection Package can be used across our range of Eddy Current Flaw Detectors and those of our competitors. Designed and manufactured in the UK, our Weld Probes are high quality with fast delivery times. Follow the link to find out more about our range of [Eddy Current Weld Probes](#).

PWM100S000	Probe, Weld, Medium, Dia 16.00, 100kHz, Straight, Disconnect
PUB100K	Unshielded, Broad Band (Paint), 100k (35kHz-250kHz), BNC
ATBW	Accessory, Test Block, Weld Probe, Ferrous (Steel EN1A) + x 4 0.5mm Shims, 0.5, 1.0, 2.0mm slots
ALL12-L04-015B	Accessory, Lead, Lemo 12-Way - Lemo 4-Way, 1.5m (Bridge)
ALLCX-B02-015A	Accessory, Lead, Lemo 00 to BNC, 1.5m (Absolute)
AW003	Accessory, Butterfly PTFE Tape (Pack of 30)
AC002	Probe Carry Bag

Phone: 913-685-0675
Fax: 913-685-1125

e-mail: sales@ndtsupply.com
web: www.ndtsupply.com