



**ENTRON™**

Data Sheet

**700267**

Product Model

**WA2 Weld Analyser**

June 25, 2025

1 Take a closer look at your welding



The Weld Analyser offers the engineering professional the facilities to analyse, fault-find and improve process quality on today’s sophisticated welding control systems. Full traceability gives you the confidence in your processes that your customers demand.

Flexible toroid



USB connection



Traceable calibration certificate



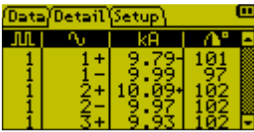
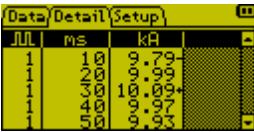
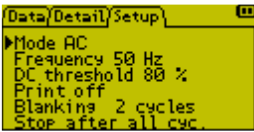
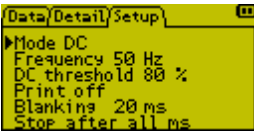
| Features                                                     | Benefits                                  |
|--------------------------------------------------------------|-------------------------------------------|
| Intuitive, flexible interface                                | Easy to use                               |
| LCD 128 x 64 pixels FSTN with yellow/green backlight         | Easily legible in all lighting conditions |
| Embossed disc tactile keypad with antiglare display window   | Positive keypad action                    |
| Auto power-off                                               | Extends battery lifetime                  |
| Large choice of toroids                                      | Suitable for almost any application       |
| AC or MFDC operation                                         | Reads waveforms from 50Hz upwards         |
| Calibration certificate                                      | Traceable accuracy                        |
| USB connection                                               | Data archiving                            |
| Small and lightweight                                        | Easily portable                           |
| Integrator output                                            | Oscilloscope connection                   |
| WA Terminal software                                         | Data archiving                            |
| Includes 150 mm flexible toroid, batteries and carrying case |                                           |

Options

- Flexible toroid 90, 150 or 300 mm with 2 m lead
- Attenuator module for measuring currents up to 300kA

|                         |                  |                                                                                                    |
|-------------------------|------------------|----------------------------------------------------------------------------------------------------|
| Power Source            |                  | Rechargeable NiMH                                                                                  |
| Display                 |                  | 128 x 64 pixels FSTN transfective with yellow/green backlight                                      |
| Ranges                  | Current          | 2.00 to 60.00 kA<br>(up to 300 kA with optional attenuator module)                                 |
|                         | Duration         | 9999 cycles (AC)<br>199.9 seconds (DC)                                                             |
| Monitored Parameters    | Current          | Peak RMS<br>Average RMS<br>Lowest RMS<br>+ve or -ve ½ cycles (AC)<br>Accuracy +/- 2% of full scale |
|                         | Time             | Total weld time<br>Any pulse time<br>Number of pulses<br>Accuracy +/- 0                            |
|                         | Conduction Angle | Average conduction angle<br>Conduction angle of every sample<br>accuracy ± 4°                      |
|                         | Position         | Position of monitored parameter in weld pulse train                                                |
| Programmable Parameters | AC               | Frequency<br>Blanking<br>Weld capture                                                              |
|                         | DC               | Current threshold<br>Blanking<br>Weld capture                                                      |
| USB Drivers             |                  | www.ftdichip.com/Drivers/VCP.htm                                                                   |
| Dimensions              |                  | 85w x 30d x 170h mm<br>500g including cells                                                        |

| Item                          | Part Numbers                                                                         |
|-------------------------------|--------------------------------------------------------------------------------------|
| WA2 with 150 mm toroid        | 03-10-20                                                                             |
| Battery Charger               | 207038                                                                               |
| Flexible toroids              | 90-90-76-04 90mm                                                                     |
|                               |   |
|                               | 90-90-76-02 150mm                                                                    |
|                               |   |
|                               | 90-90-76-03 280mm                                                                    |
|                               |  |
| (Specification 150 mV/1000 A) |                                                                                      |
| Extension lead                | 90-90-02-13 (10 Meters)                                                              |
| Attenuator Module             | 90-90-62                                                                             |
| Manual                        | 91-00-00-00-42                                                                       |

| Example Displays |                                                                                     |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Display          | AC                                                                                  | DC                                                                                    |
| Data             |  |  |
| Detail           |  |  |
| Setup            |  |  |

Information in this Document is subject to change without Notice.

## 2 Technical Support

### 2.1.1 Internet

The latest version of the documentation and other helpful resources in the ENTRON Document Library page found in the Resource section of the ENTRON website: <https://www.entroncontrols.com>

### 2.1.2 Documentation Request

Documentation, user instructions and technical information can be requested by emailing ENTRON Controls at [customerservice@entroncontrols.com](mailto:customerservice@entroncontrols.com) or [support@entroncontrols.com](mailto:support@entroncontrols.com)

Please include your name and email

### 2.1.3 Service and Technical Support

For service and technical support, we request that customers fill out the Technical Support Form found on our website at link below:

NOTICE



TECHNICAL SUPPORT FORM LINK

<https://www.entroncontrols.com/resources/technical-support.html>

After the web form has been completed, your case will be assigned to one of our technical specialists who will contact you directly.

ENTRON Controls can also be contacted by phone or email:

- Phone: +1-864-416-0190
- Email: [tech.support@entroncontrols.com](mailto:tech.support@entroncontrols.com)