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solid or flexible toroids



PC/ printer connection



NAMAS traceable calibration certificate



powered by 3 x AA cells



WA1 Weld Analyser

data sheet



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 NAMAS traceability gives you the confidence in your processes that your customers demand.

| 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 DC operation | reads waveforms from 50Hz upwards |
| NAMAS calibration certificate | traceable accuracy |
| pc/printer connection | data archiving |
| small and lightweight | easily portable |

includes 150 mm flexible toroid, 6 x NiMH batteries and carrying case

| options |
|--|
| flexible toroid 75 or 300 mm diameter with 2 m lead |
| solid toroid 45, 120 or 300 mm diameter with 2m lead |
| battery-powered printer |
| battery charger |




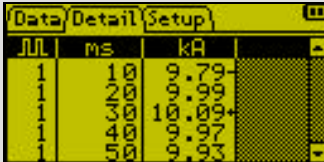
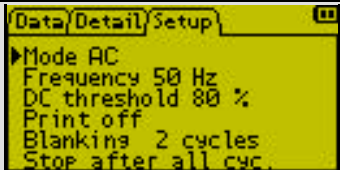
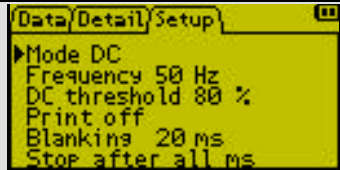
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| | | | |
|-------------------------|------------------|--|--|
| power source | | 3 alkaline AA batteries | |
| display | | 128 x 64 pixels FSTN transfective with yellow/green backlight | |
| ranges | current | 0.00 to 60.00 kA | |
| | duration | 9999 cycles (AC) 199.9 seconds (DC) | |
| monitored parameters | current | peak RMS average RMS lowest RMS +ve or -ve ½ cycles (AC) accuracy +/- 2% of full scale | |
| | time | total weld time any pulse time number of pulses accuracy +/- 0 | |
| | conduction angle | average conduction angle conduction angle of every sample accuracy +/- 5 degrees | |
| | position | position of monitored parameter in weld pulse train | |
| programmable parameters | AC | frequency blanking weld capture | |
| | DC | current threshold blanking weld capture | |
| RS232 communications | | 38400 baud/8 data bits/no-parity/1 stop bit | |
| dimensions | | 85w x 30d x 170h mm 500g including cells | |

| item | part numbers |
|----------------------|--|
| WA1 (excl. toroid) | 03-10-10 |
| serial printer cable | 90-90-19 |
| serial PC cable | 90-90-20 |
| batteries | 207029 |
| flexible toroid | 296557 75 mm, 2 m lead |
| | 296558 150 mm, 2 m lead |
| | 296559 300 mm, 2 m lead |
| solid toroid | 90-90-02-07 6 m extension lead (specification 150 mV/1000 A) |
| | 03-50-04 45 mm, 2 m lead |
| | 03-50-03-01 120 mm, 2 m lead |
| manual | 03-50-03 300 mm, 2 m lead |
| | 90-90-02-07 6 m extension lead (specification 1.4 V/1000 A) |
| manual | 91-00-00-00-42 |

example displays

| display | AC | DC |
|---------|--|---|
| data |  |  |
| detail |  |  |
| setup |  |  |