

Cost effective weld monitoring

MonArc2



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The MonArc2 from TVC is one of the world's most cost-effective welding monitors.

Supplied in a rugged plastic case, this "go-anywhere" unit weighs less than 4Kg and set-up takes minutes, minimising onsite downtime. The field proven sensor probes and IP rated controls mean the MonArc2 can be used in harsh conditions with minimum of daily maintenance.

With probes for monitoring welding current up to 2000 Amps and voltage up to 100 Volts, the unit handles all major arc welding processes including GTAW, GMAW, SMAW and SAW.

Its 5.7-inch TFT screen provides a clear view of all monitored welding parameters and the sealed battery allows up to eight hours of monitoring time between charge cycles.



Welding data is stored on a dedicated 4GB memory stick for exporting to Excel spreadsheet reports on any PC loaded with TVC Arclog software.

The MonArc2 has options for the measurement of wire feed speed and total wire payoff. In addition, user programmable values for gas flow enable the unit to calculate total gas consumption.

Providing the MonArc2 with full onsite traceability, the optional printer provides a hard copy record of the full weld parameters at the point of welding.



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General Unit

Applications	MMA/MIG/TIG (AC/DC)/SMAW/FCAW/SAW
Size	230 x 130 x 270 mm -
Screen	5.7-inch Full-Colour TFT
Memory	4GB Removable Flash Drive
Battery Type	Sealed Lead-Acid (Rechargeable)
Techniques	Manual/Semi-Auto/Fully-Auto/Robotic
Weight	3.6Kg (inc. Probes & Charger)
Battery Charger	External 90 - 260V AC (3 - 4 Hour Recharge)
Printer/Rate	External Dot-Matrix/2 x 1 - 60secs User Selectable Print Rates

Monitored Parameters

Average Current	15 - 1999A +/-2% fsd
Average Voltage	0 - 99.9V +/-1% of fsd
Average Wire Speed	0 - 30.0m/min +/- 2.5% fsd
Arc Time	0.3 - 9999secs +/- 0.1% fsd

Calculated Parameters

Arc Energy	1 - 9999kJ +/-2% fsd
Heat Input	1 - 9999J/mm +/-2.5% of fsd
Wire Consumed	0 - 9999m/min +/- 2.5% fsd
Gas Consumed	0 - 9999Lt

User Entered Details

Gas Flow	1 - 99.9Lt/min
Weld Length	0 - 9999mm

The Validation Centre (TVC) Limited reserves the right to alter or change product specification without prior notice.

The logo for The Validation Centre (TVC) Limited, featuring the letters 'TVC' in a bold, black, sans-serif font. The letter 'T' is red, and the letters 'V' and 'C' are black.

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