

MonArc2

The all-new 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.

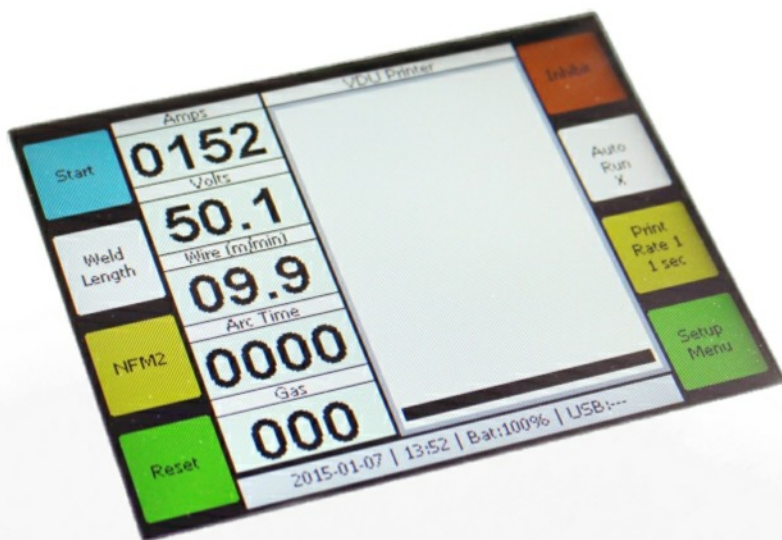
Its 5.7-inch TFT screen provides a clear view of all monitored welding parameters and the sealed Battery allows up to eight hours of monitoring time between charge cycles.



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

The MonArc2 has options for the measurement of wire feed speed and total wire payoff, plus user programmable values for gas flow which 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)
Temperature Range	0 - 50°C
Techniques	Manual/Semi-Auto/Fully- Auto/Robotic
Weight	3.6Kg (Including probes & charger)
Battery Charger	External 90-260V AC (3 to 4 hour recharge)
Printer/Rate	External Dot-Matrix/2 x 1-60 secs user selectable print rates

Monitored Parameters

Average Current	15-1999A +/- 2% fsd
Average Voltage	0-99.9V +/- 1% fsd
Average Wire Speed	0 - 30.0m/min +/- 2.5% fsd
Arc Time	0..3 - 9999 secs +/- 0.1%

Calculated Parameters

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

User Entered Data

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

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

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The Validation Centre (TVC) Limited

Tel: +44 (0) 1493 443800
Fax: +44 (0) 1493 443900
Email: sales@tvcalx.co.uk
Website: www.tvcalx.co.uk

Unit 15, Brinell Way,
Harfreys Industrial Estate
Great Yarmouth, Norfolk
NR31 0NH, UK