

MonArc2

Cost-effective weld monitoring

TVC



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 daily maintenance.

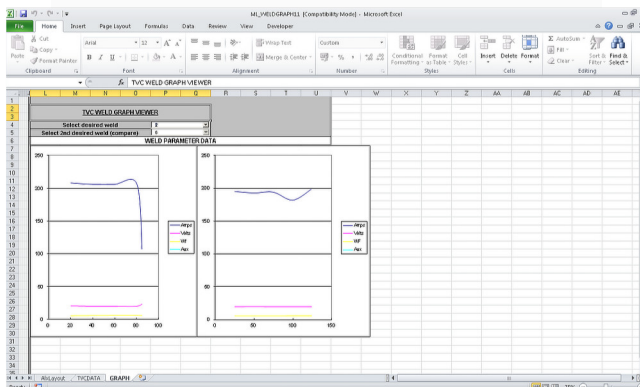
With probes for monitoring welding current up to 2000 amps and voltage up to 100 volts, the unit handles all major arc welding processes including GTAW, GMAW, SMAW and SAW.

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 MS 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.



Finished	Amps	0014	VDU Printer	Inhibit
	Volts	00.0		
Weld Length	Wire m/min	00.0	TVC MONARC2 SET NO: 13 SW REV: 1.1.14 DATE: 2016-06-08 TIME: 11:21:15	Auto Run ✓
	Arc Time	0010		
GFM2	Gas	0002	WIRE mm/min ARC volts ARC amps TIME secs 0.0 0.0 14 2.0 0.0 0.0 14 4.0 0.0 0.0 14 6.0 0.0 0.0 14 6.2	Print Rate 1 1 sec
	Reset		Summary 0.0 0.0 14 MAX 0.0 0.0 14 AVG 0.0 0.0 14 MIN Heat Input: 0.0 J/mm ***Totals*** CalcEnergy: 0.0KJ Arc Time: 6.2 s Weld Length: 2 mm T Speed (calc): 1.9 cm/min Wire Consumed: 0.0 MRTS Finish Time: 11:22:49 Cycle Time (hh:mm:ss): 00:00:06	
2019-01-15 14:29 Bat : 100% USB :---				

GENERAL UNIT

Applications	MMA/MIG/TIG (AC/DC)/SMAW/FCAW/SAW
Techniques	Manual/Semi-Auto/Fully-Auto/Robotic
Memory	4GB Removable Flash Drive
Screen	5.7-inch Full Colour TFT
Operating Temp.	0 - 50°C
Printer & Rate	External Dot Matrix, 2 x 1-60secs User Selected Print Rates
Max. Dimensions	230 x 130 x 270mm
Weight	3.6Kg (including Probes and Charger)
Battery Type	12V 7.2Ah Rechargeable Gel Filled Sealed Lead Acid Battery
Battery Charger	External 90-240V AC, Auto Selection, 3-4 Hour Charge Time

MONITORED PARAMETERS

Average Current	15 - 1999A +/- 2.5% FSD
Average Voltage	0 - 99.9V +/- 2% 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% FSD
Wire Consumed	0 - 9999m +/- 2.5% FSD
Gas Consumed	0 - 9999L

USER ENTERED DATA PARAMETERS

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

CALIBRATION & CERTIFICATION

Full calibration certification provided, traceable to The National Physical Laboratory (NPL), UK.

The Validation Centre (TVC) Limited reserves the right to alter or change product specifications without prior notice. Images are representative of full optional additions installed; delivered equipment and software may vary depending on options purchased.



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