

# AMV4000 specification

Brand origin	United Kingdom	Notes
Scope of application	Monitors for arc welding applications	See section on arc welding processes
Equipment size	30x14x29 cms	
screen size	10.4" 800 x 600 resolution	
memory size	500 Gb hard drive	
data acquisition rate	100kHz at 16 bits	This is allocated across channels selected see table 1 below
operating system	Win 10 2019 LTSE	
battery type	NiMH	
weight	10 kg	
charging time	4 hours	
Built in printer	No	
Measuring current range	1000A with 35mm opening	DC range and AC peak to peak. So typically 50Hz AC signal this is 700A RMS
option	2000A with 54mm opening	1400A RMS
Measuring voltage range	100V	
Wire feed speed measurement	100 mm/min to 20 m/min	
Gas consumption detection	20 lpm	this is typically inserted into the gas line
arc time	hours	min arc time can be set
Welding length	100s meters	to mm
Other configuration instructions	see config options	
Arc welding applications		See table 2

Table 1 Data acquisition rates

Channels selected	Monitor frequency
2	50 kHz
3-4	25 kHz
5	20 kHz
6	15 kHz
7-8	10 kHz

Table 2 Arc Welding Process Applications

<b>Arc Welding</b>	
TIG	Comes with high frequency protection
MIG	Including instantaneous power calculation for
MMAW	All forms of stick welding
Plasma	We can supply Dinse voltage connector (applicable to MMAW and TIG)
SAW	Consider using the 2000A clamp for additional range and cable size