

# TRI-AD

Version 12012018

## Portable AC/DC Power Pack

The Tri-Ad is a portable power pack capable of variable AC and HWDC outputs which can be used for performing pistol prod and encircling techniques as well demagnetizing components. Johnson & Allen can supply a range of accessories with the Tri-Ad including encircling cables, pistol prods, 'G' clamp prods, split coils and foot switches. The Tri-Ad is ideal for inspecting large or heavy parts, in-service components or weld testing on-site. Supplied calibrated and with the relevant paperwork.



### Key Features

<b>Input Voltage</b>	110/230 V
<b>Output</b>	0 - 2000 Amps
<b>Weight</b>	40 kg
<b>DIMN</b>	560 x 270 x 230mm

## Technical Information

The Tri-Ad is ideal for performing pistol prod and encircling techniques but can also be used in conjunction with fixed coils, split coils and 'G' clamp type prods.

Due to the variable supply the Tri-Ad can be used for demagnetizing by slowly turning the current dial to zero.

Ideal for finding surface and near surface defects in large or heavy parts, in-service components or weld testing on-site.

Dual voltage unit can accept either 110V or 230V.

Safety features such as a circuit breakers and a series of fuses are fitted as standard on the Tri-Ad to ensure that even inadvertent misuse will not put operators at risk.

Cables use quick release DINSE connectors for increased inspection efficiency.

The Tri-Ad is supplied fully calibrated and with the relevant paperwork. Re-calibration services are available from Johnson & Allen's UKAS accredited laboratory.

Easy to re-site, move to work and stowaway between jobs.

Johnson & Allen pride itself on high quality design and construction which is why the power transformers used in the Tri-Ad are wound, built and extensively tested in house before they are installed.

Designed and built in-house by Johnson & Allen within the 'Steel City' of Sheffield, UK.

## Johnson and Allen Ltd

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# TRI-AD

Version 17012018

## Product Data

General Information	
Input Voltage	110V 230V
Frequency	50Hz 60Hz
Open Circuit Voltage	3.2V
Duty Cycle	3 seconds 'ON' 15 seconds 'OFF'
Weight	40 kg
Dimensions	560 x 270 x 230mm
AC Output	
Input Current (typical)*	21 Amps <sup>110V</sup> 14 Amps <sup>230V</sup>
Input Current (max.)*	37 Amps <sup>110V</sup> 21 Amps <sup>230V</sup>
Output Current (typical)*	1000 Amps <sup>110V</sup> 1000 Amps <sup>230V</sup>
Output Current (max.)*	1200 Amps <sup>110V</sup> 1500 Amps <sup>230V</sup>
HWDC Output	
Input Current (typical)*	26 Amps <sup>110V</sup> 12 Amps <sup>230V</sup>
Input Current (max.)*	55 Amps <sup>110V</sup> 27 Amps <sup>230V</sup>
Output Current (typical)*	1500 Amps <sup>110V</sup> 1500 Amps <sup>230V</sup>
Output Current (max.)*	2000 Amps <sup>110V</sup> 2000 Amps <sup>230V</sup>

\*All tests carried out using a 4m loop of cable (70mm diameter)

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