



# JAYSON ELECTRO-MAGNET

**The JAYSON offers unparalleled flexibility and comfort of use.**

- **Open access for viewing**
- **Good leg extension**
- **Easy to grip “slim” handle**
- **Lighter weight than standard Models**

Magnetic Particle Inspection “Hand-held portable yoke” manufactured to comply with: - **EN ISO 9934-3:2002**

Models Available	Order Code	Current	Freq	Notes
JAYSON 230 V AC	<b>JAYSON 230V</b>	1.75 Amps Max	50/60 Hz	Standard Unit.
JAYSON 110 V AC	<b>JAYSON 110V</b>	3.1 Amps Max	50/60 Hz	Standard Unit.
JAYSON 230 <u>and</u> 110 Volt	<b>JAYSON Bi VOLT</b>	as above respectively	50/60 Hz	Interchangeable leads gives the operator choice of desired voltages.

SPECIFICATION	
RECOMMENDED POLE SPACINGS	65mm to 120mm (Max pole spacing 180mm)
CROSS SECTIONAL DIMENSIONS OF THE POLES	25mm x 18mm
CURRENT CONTROL	Fixed Output All Models
DUTY CYCLE	50%
MAX CURRENT “ON” TIME	5 sec
SURFACE TEMPERATURE OF HANDLE	less than 40 degC at max duty cycle (30deg C Ambient)
TANGENTIAL FIELD STRENGTH (IN STEEL) AT 65mm POLE SPACING (110/230)	greater than or equal to 3.8 kA/m
TANGENTIAL FIELD STRENGTH (IN STEEL) AT 120mm POLE SPACING (110/230)	greater than or equal to 2.0 kA/m
OVERALL DIMENSIONS – STANDARD UNIT	Length 220mm Height 205mm (legs straight)
STANDARD MAINS LEAD LENGTH	4m
JAYSON MASS – STANDARD UNIT	2.5Kg
ENVIRONMENTAL PROTECTION DEGREE	Tested to IP 56
CE CERTIFICATION EN50081-2/1993 and EN55014: 1993	Passed
LIFT CAPACITY –	<b>AC - All Models</b> (American E1444-01 4.5 Kg (44N) (Europe BS EN ISO 9934-3:2002 4.5 Kg (44N)

**SAFETY PROTECTION**  
In built thermal auto re-set cut out  
PAT Test certificate

**TRANSFORMERS**  
**JAY GO 230V TO 110V STEP DOWN TRANSFORMER**  
BUILT INTEGRALLY INTO A JAY/JAYSON CARRY CASE. IDEAL FOR SITE USE, THE CASE HAS AMPLE ROOM FOR INSPECTION AEROSOLS

**230V TO 110V STEP DOWN (SINGLE SOCKET FOR 1 JAYSON)**  
INCLUDING ROBUST CARRY CASE AND FUSED PROTECTION

**230V TO 110V STEP DOWN (DOUBLE SOCKET FOR 2 JAYSONS)**  
INCLUDING ROBUST CARRY CASE AND FUSED PROTECTION

**ORDER CODE**

- JAY GO**
- SST**
- DST**

**TEST WEIGHTS**  
4.5 kg Steel weight with handle (American and European AC Test)

**4.5 Kg Test Weight**

**SPARES**  
SWITCH ONLY  
MEMBRANE AND SURROUND  
SWITCH ASSEMBLY (SWITCH, MEMBRANE AND SURROUND)  
FOOT LAMINATION (1 PAIR)  
COMPLETE LEG ASSEMBLY (1 PAIR FOOT AND MID ARM)  
CABLE STRAIN RELIEF

- ORDER CODE**
- JAYSON-S**
  - JAYSON- M-SU**
  - JAYSON-S-M-SU**
  - JAYSON-FOOT**
  - JAYSON- LEG**
  - JAYSON-CSR**