

J.A.Y. ELECTRO-MAGNET

Magnetic Particle Inspection "Hand-held portable yokes" manufactured to comply with: - EN ISO 9934-3:2002

Models Available	Order Code	Current	Freq	Notes
JAY 230 V AC	JAY 230V	2.0 Amps Max	50/60 Hz	Standard Unit.
JAY 230 V AC + White Light	JAY 230V PAL	2.0 Amps Max	50/60 Hz	Permanently attached Inspection light.
JAY 110 V AC	JAY 110V	3.7 Amps Max	50/60 Hz	Standard Unit.
JAY 110 V AC + White Light	JAY 110V PAL	3.7 Amps Max	50/60 Hz	Permanently attached Inspection Light.
JAY 48 V AC	JAY 48V	16.5 Amps Max	50/60 Hz	Special Order Unit
JAY Bi-V 230 and 110 Volt	JAY Bi VOLT	2.0/3.7 Amps Max	50/60 Hz	Interchangeable leads gives the operator choice of desired voltages.
JAY 12V Pulsed DC+Battery Pack +Shoulder Bag	JAY 12V PDC	N/A	N/A	Charge gives 8 hrs shift operation Satisfies E-1444-01 DC Lift

SPECIFICATION

RECOMMENDED POLE SPACINGS
 CROSS SECTIONAL DIMENSIONS OF THE POLES
 CURRENT CONTROL
 DUTY CYCLE
 MAX CURRENT "ON" TIME
 SURFACE TEMPERATURE OF HANDLE
 TANGENTIAL FIELD STRENGTH AT 50mm POLE SPACING (110/230)
 TANGENTIAL FIELD STRENGTH AT 180mm POLE SPACING (110/230)
 OVERALL DIMENSIONS – STANDARD UNIT
 OVERALL DIMENSIONS – WITH LIGHT POD ATTACHMENT
 STANDARD MAINS LEAD LENGTH
 JAY MASS – STANDARD UNIT
 JAY MASS – WITH LIGHT POD ATTACHMENT
 JAY – PULSED DC BATTERY PACK
 ENVIRONMENTAL PROTECTION DEGREE (JAY EXCLUDING BATTERY PACK)
 CE CERTIFICATION EN50081-2/1993 and EN55014: 1993
 LIFT CAPACITY – PASSES AMERICAN AND EUROPEAN, AC AND DC LIFT TEST

50mm to 180mm
 25mm Sq.
 Fixed Output All Models
 50%
 5 sec
 less than 40 degC at max duty cycle (30deg C Ambient)
 greater than or equal to 7.9 kA/m
 greater than or equal to 2.0 kA/m
 Length 220mm Height 175mm (legs straight)
 Length 230mm Height 175mm (legs straight)
 4m
 3.35Kg
 3.45Kg
 6.00Kg + JAY(3.35Kg)
 Tested to IP 56
 Passed
AC - All Models
 (American E1444-01 4.5 Kg (44N)
 (Europe BS EN ISO 9934-3:2002 4.5 Kg (44N)

SAFETY PROTECTION

"PAL" WHITE LIGHT INTENSITY BETWEEN POLES (LEG SPACING 80mm)

TRANSFORMERS

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

230V TO 110V DROP DOWN (SINGLE SOCKET FOR 1 JAY)
 INCLUDING ROBUST CARRY CASE AND FUSED PROTECTION

230V TO 110V DROP DOWN (DOUBLE SOCKET FOR 2 JAYs)
 INCLUDING ROBUST CARRY CASE AND FUSED PROTECTION

TEST WEIGHTS

4.5Kg Steel weight with handle (American and European AC Test)
 18Kg Steel Test weight with handle (European DC Check)
 22.5Kg Steel Test weight with handle (American DC Lift Test)

DC - PDC Model
 American E1444-01 22.5 Kg (220N)
 European BS EN ISO 9934-3:2002 18Kg (176N)
 In built thermal auto re-set cut out
 PAT Test certificate
 Minimum 750 Lux

ORDER CODE

JAY GO

SST

DST

4.5 Kg Test Weight
 18 Kg Test Weight
 22.5 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
 SWITCH MEMBRANE FOR PAL

ORDER CODE

JAY-S
 JAY- M-SU
 JAY-S-M-SU
 JAY-FOOT
 JAY- LEG
 JAY-CSR
 JAY-PAL-S

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Manufacturers of:- Magnetic Particle and Dye Penetrant Inspection Systems