

DATA SHEET (page 1 of 2).

402-IECIV

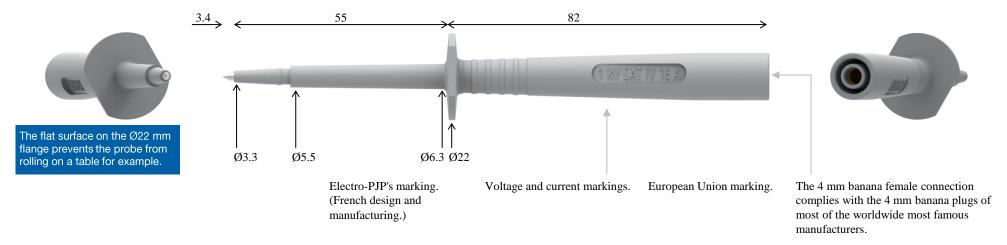
Applications : to measure voltages up to 1000 V CAT IV on contacts which are small, difficult to access, remote, coated with oxidation, paint, dust, enamel, ...



Designation : Sharp Steel Tip Probe Body w/ 4 mm Banana (female) Jack.



The probe complies with the CAT III and CAT IV (and CAT II) environments. The CAT III and CAT IV include higher electric energy than the CAT II so any short-circuit in the CAT III or CAT IV is very hazardous. But because of the low length of its conductive tip, the probe reduces the risk of short-circuits between electric potentials. By reducing the risk of short-circuit, the probe complies with the CAT III and CAT IV environments.



		DATA SHEET (page 2 of 2).	GLOSSARY :
402-IECIV	Designation : Sharp Steel Tip Probe Body w/ 4 mm Banana (female) Jack.		ACCESSIBLE. Able to be touched with a standard test finger or test pin. BASIC INSULATION. Insulation of HAZARDOUS LIVE parts which provides basic protection.
	Electrical safety	According to EN / IEC 61010-031:2015. 1000 V CAT II / 1000 V CAT III / 1000 V CAT IV, reinforced insulation, 16 A (at +40 °C). These specifications come from the creepage distances, clearances, accessible parts, and solid insulation of the product. And the considered specifications of the environment are : • pollution degree, 1 or 2 or 3 ; • relative humidity, 80 % maximum for temperatures up to 31 °C decreasing linearly to 50 % relative humidity at +40 °C ; • temperature range, +5 °C to +40 °C ; • indoor use ; and • altitude, 2000 m maximum. Barrier. Keep behind this barrier to operate safely the product while connecting to hazardous live voltages (more than 30 V AC and 60 V DC).	 CAT II. Measurement or overvoltage category II. For measurement performed on / equipment connected to the building wiring. CAT III. Measurement or overvoltage category III. For measurement performed on / equipment connected to part of a building wiring installation. CAT IV. Measurement or overvoltage category IV. For measurement performed on / equipment connected to the origin of the electrical supply to a building. CLEARANCE. Shortest distance in air between two conductive parts. CREEPAGE DISTANCE. Shortest distance along the surface of a solid insulating material between two conductive parts. CREEPAGE DISTANCE. Shortest distance along the surface of a solid insulating material between two conductive parts. CI. Comparative Tracking Index of the insulating material in accordance with IEC 60112. DOUBLE INSULATION. Insulation comprising both BASIC INSULATION and SUPPLEMENTARY INSULATION. EN / IEC 60529. European / international standard regarding the degrees of protection provided by enclosures. EN / IEC 61010-1. European / international standard regarding the safety requirements for electrical equipment for measurement. EN / IEC 61010-031:2008. European / international standard regarding the safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: Garena Tequirements.
	Operating temperature range	-20 °C mini., +80 °C maxi. (please see above too).	"LVD". European Directive 2014/35/EU on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits. (Usually called the Low Voltage Directive.)
	Protection against fire	According to EN / IEC 61010-031:2015. It is compatible with the requirements of protection against the spread of fire and resistance to heat by its basic insulation.	MAINS. Low-voltage electricity supply system to which the equipment concerned is designed to be connected for the purpose of powering the equipment. MAINS CIRCUIT. Circuit which is intended to be directly connected to the
	Conformity	 European Directive "Low Voltage Directive" 2014/35/EU. International / European standard EN / IEC 61010-031:2015. European Directive "RoHS" 2011/65/EU. European REACH regulation n°1907 / 2006. 	MAINS for the purpose of powering the equipment. OVERVOLTAGE CATEGORY. Numeral defining a TRANSIENT OVERVOLTAGE condition. POLLUTION. Addition of foreign matter, solid, liquid or gaseous (ionized gases), that may produce a reduction of dielectric strength or surface resistivity.
Contact us at : sales@electro-pjp.com	Environment	 "RoHS" compliant, Pb ≤ 4 % in conductor, Pb ≤ 0.1 % in insulator, Hg ≤ 0.1 %, Cr VI ≤ 0.1 %, Cd ≤ 0.01 %, PBB ≤ 0.1 %, and PBDE ≤ 0.1 %. REACH compliant, no substances from the candidate list of SVHC for authorisation at mass concentrations greater than 0.1 %. 	POLLUTION DEGREE. Numeral indicating the level of POLLUTION that may be present in the environment. POLLUTION DEGREE 1. No POLLUTION or only dry, non-conductive POLLUTION occurs, which has no influence. POLLUTION DEGREE 2. Only non-conductive POLLUTION occurs except
	Materials	Conductors : brass and steel. Insulators : please contact us.	that occasionally a temporary conductivity caused by condensation is expected.
+33(0) 384 821 330	Colors	Black Red Yellow Green Blue White	REINFORCED INSULATION. Insulation which provides protection against electric shock not less than that provided by DOUBLE INSULATION.
www.electro-pjp.com		Brown Gray	"RoHS". European Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
ELECTRO-PJP	Weight	0.019 kg.	SOLID INSULATION. Insulating materials. SUPPLEMENTARY INSULATION. Independent insulation applied in
ZI «Charmes d'Amont» 13 rue de Madrid	Origin	Designed and manufactured in France.	addition to BASIC INSULATION in order to provide protection against electric shock in the event of a failure of BASIC INSULATION.
9500 TAVAUX	Reliability benchmark	Year of 1st placing on the market 1994.	TRANSIENT OVERVOLTAGE. Short duration overvoltage of a few milliseconds or less, oscillatory or non-oscillatory, usually highly damped.
FRANCE	Packaging	Bag of 5 probes of the same color (default packaging).	WORKING VOLTAGE. Highest r.m.s. value of the a.c. or d.c. voltage across any particular insulation which can occur when the equipment is supplied at rated voltage.

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