

## XE 18 PBA 04 ATEX - CERTIFIED ATEX II2G Ex D IIC T5 IP66

- NO NEED TO BE LINKED TO THE MAIN POWER SUPPLY
- INTERNAL 12 V 3.6 Ah Ni-Cd RECHARGEABLE BATTERY
- BUILT-IN AUTOMATIC CHARGER
- HIGH ENERGY SPARK GENERATED
- HIGH EFFICIENCY, LOW BATTERY CONSUMPTION
- SUITABLE TO IGNITE ALL KINDS OF FUEL EVEN IN TOUGH APPLICATIONS

Tesi portable ignition devices are designed to ignite burners without an individual pilot torch or electrode assembly. They are the best back up solution to solve existing igniters failures or in case of emergency. Thanks to a solid design and low voltage input, the operator can handle the rod quite easily during maintenance, without any risk of breaking the insulators and avoiding dangerous electric shocks. Energy consumption is very low, it can be used with a wide flexible service and doesn't require frequent charging.

## XE 18 PBA 04 II2G Ex D IIC T5 IP66 TECHNICAL DATA

POWER SUPPLY UNIT	
INPUT VOLTAGE	12 VDC
OUTPUT ENERGY (PER SPARK)	18 J
SPARK FREQUENCY	~ 4 sparks/second
DUTY CYCLE	100% (suggested max continuous spark time 30')
BATTERY RUNTIME	up to 12400 sparks (@60°C, standard duty cycle)
OPERATING TEMPERATURE	-20°C ÷ +60°C * -30°C ÷ +60°C
ENCLOSURE	
PROTECTION CLASS	II 2G Ex d IIC T5 IP66
MATERIAL	aluminium alloy
DIMENSIONS	355 x 270 x 165 mm * 355 x 325 x 174 mm
WEIGHT	10 kg * 15 kg
BATTERY CHARGER	
INPUT VOLTAGE	115 / 230 VAC 50 / 60 Hz
INPUT CURRENT	50 / 25 mA
RECHARGE OUTPUT VOLTAGE	13.5 VDC
IGNITER	
MATERIAL	stainless steel
ELECTRICAL CONNECTION	Aluminium Junction Box Ex d IIC IP66 included
OPERATING TEMPERATURE	760°C (max 1000°C)
WEIGHT	0.8 Kg per meter of length
LENGTH	customizable, according to specifications
TIP	High Energy, easily replaceable 17 mm (12/14 mm on request)
HANDLE	rubber, 150 mm as standard, 90° on request
OPTIONAL	adjustable stopping flange
CONNECTION CABLE	
MATERIAL	flexible stainless armoured cable
INSULATION	external silicon rubber
FITTINGS	1/2 NPT, metric on request
OPERATING TEMPERATURE	silicon cable only: -40°C ÷ +180°C
WEIGHT	0.4 Kg per meter of length
LENGTH	customizable, according to specifications



### NOTE:

In case of frequent use, you can leave the charging circuit connected to the mains power supply (115 / 230VAC), in Not Classified Areas, provided you keep the 1/2" gas evacuation cap completely open. Once maximum charge is reached, the charger will provide an appropriate holding current. After repositioning the cap and the charging cable, you have an ignition system always ready for use. If you're leaving the device unused for an extended period of time or in case of storage, disconnect the battery from the electronic circuit.

\* SPECIAL EXECUTION

data subject to change without notice