



SMITSVONK

a member of
DURAG GROUP

OPERATION AND MAINTENANCE MANUAL SMITSVONK HIGH ENERGY PORTABLE IGNITION ASSEMBLY TYPE: SPI



Read before commencement of all work!

This ignition unit must be mounted in accordance with the applicable regulations.



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WARNING:

Please read this manual and adhere to it when making use of the device!
Installation and maintenance procedures may only be carried out by authorized personnel!
All local regulations and the prevailing codes of practice must be observed during installation!
Improper installation, alignment and maintenance, as well as modifications by the customer,
can all lead to personal injury or property damage, as well as loss of warranty!

DANGER !**High voltage. Risk of fatal injury due to electrical power!**

There is a risk of immediate fatal injury if live components are touched. Damage to the insulation or to individual components can lead to fatal injury. A voltage of 2.000 Volts is generated to create the ignition sparks in the ignition device.

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INTRODUCTION.

Smitsvonk Holland B.V. designs, manufactures and installs ignition systems which have their application all over the world. Years of experiences are the foundations of Smitsvonk Holland B.V knowledge about burner technology and ignition mechanism. And yet this knowledge is still increasing. In order to increase the quality of our services, the knowledge is used to improve the existing ignition systems as well as in developing new ignition systems.

The long operational life and the reliability of the ignition devices are characteristic of Smitsvonk products. Designing the products to the customer's required specifications attained this and this is where Smitsvonk Holland has strongly her believes in.

Smitsvonk guarantees a safe use of the ignition systems only when this is used in the customers required application that is mentioned in her specifications. To use these ignition systems in applications of which it was not designed for is not recommendable. It can lead to dangerous situations.

Users should be informed correctly before they start to use the ignition system. Smitsvonk user manual gives detailed information about the use, mounting, maintenance and other information about ignitions system. But users should be aware that these instructions cannot be given in the finest details. Whenever there is a situation the manual is not giving an answer, Smitsvonk advices you to contact our service department.



GENERAL

Information on the operating manual

This operating manual provides important information on working with the portable ignition unit. Safe working can only be ensured by adhering to all the safety remarks and instructions provided.

In addition, the locally applicable accident prevention laws and general safety regulations must be followed.

Read the operating manual carefully before using the gas portable ignition unit the first time. These instructions form an integral part of the product and must be kept near the equipment at all times within easy reach for personnel.

When the portable ignition unit is transferred on to third parties, it must always be accompanied by the operating instructions.

The illustrations in this operating manual are intended to aid understanding of the content. They are not necessarily true to scale and may differ slightly in some details from the actual configuration of the portable ignition unit.

Explanation of symbols

Warning instructions

Warning instructions are indicated in this operating manual by symbols. The remarks are introduced by the use of signal words which indicate the degree of severity of the hazard.

The instructions must be adhered to without fail and acted upon prudently in order to prevent accidents, personal injury or material damage.



DANGER!

... denotes a hazardous situation which results in death or serious injury unless prevented.



WARNING!

... denotes a hazardous situation which could result in death or serious injury unless prevented.



CAUTION!

... denotes a hazardous situation which could result in minor or slight injury unless prevented.



NOTE!

... denotes a hazardous situation which could result in material damage unless prevented.

Recommendations



REMARK!

... highlights useful recommendations and information designed to permit efficient, trouble-free operation.

**Special safety remarks**

In order to draw attention to special hazards, the following symbol is used in conjunction with safety remarks:

**DANGER!****Fatal danger due to electrical current!**

... denotes a potentially fatal situation due to electrical current. Failure to adhere to the safety instructions can give rise to the danger of serious injury or death.

The work to be performed may only be carried out by a suitably qualified electrician.

Liability disclaimer

All instructions and remarks contained in this operating manual are collated taking into account applicable standards and regulations, the state of the art and our many years of experience and expertise.

The manufacturer is consequently unable to accept any liability for damage caused as a result of:

- Failure to adhere to the instructions
- Use for any other than the designated purpose
- Deployment of untrained personnel
- Internally executed modifications or conversion work
- Technical modifications
- Use of unapproved spare parts

The actual scope of the delivery may differ in some details from the explanations and illustrations provided here in the case of special versions, where additional optional features are made use of or due to the latest technical modifications.

Otherwise, the obligations agreed in the Supply Agreement, the General Terms and Conditions and the Manufacturer's Conditions of Supply and the statutory regulations in force at the time of conclusion of contract shall be applicable.

Copyright protection

These operating instructions may not be shared with third parties. They are exclusively intended for those operating the portable ignition unit and may not be made available to third parties without the prior written consent of the manufacturer.

**REMARK!**

The information, texts, drawings, illustrations and other representations are protected by copyright and are subject to industrial property rights. Utilization for any other than their intended purpose renders the perpetrator liable to prosecution.

The contents of all or part of these operating instructions may not be duplicated in any form, nor may they be used and/or communicated to any third party without the written consent of the manufacturer. Any breach of this obligation shall render the perpetrator liable to compensation of damages, without prejudice to any further-reaching claims.

Spare parts



WARNING!

Danger of injury due to the use of incorrect spare parts!

Incorrect or faulty spare parts can result in damage, malfunctions or total failure of the equipment as well as posing a safety hazard.

- Only use original spare parts from the manufacturer.

Order spare parts through your authorized dealer or directly from the manufacturer. Address: see table of contents on the cover sheet.

Warranty regulations

The warranty regulations are provided as a separate document in the General Terms and Conditions.

After-sales service

For any technical information, consult our after-sales service.

Information can be obtained at any time by phone, fax, e-mail or Internet. For the manufacturer's address, see the cover sheet on the table of contents.

Our employees are always open to feedback and comments related to all of our products which could be of use in the continual and improvement of our products.



SAFETY

This section provides an overview of all important safety aspects for optimum protection of personnel as well as safe, trouble free operation.

Failure to observe the operating instructions and safety remarks contained in this manual can cause serious injury.

Owner's responsibility\

- As the portable ignition unit is used commercially, the owner of the portable ignition unit is obliged to adhere to occupational safety regulations as well as any other applicable directives, legislation and standards.
- Alongside the occupational safety remarks contained in these operating instructions, the safety, environmental and accident prevention regulations governing the field of application of the portable ignition unit must be adhered to, whereby the following regulations in particular apply:
- The owner must be aware of the valid occupational safety regulations and also determine any additional potential hazards arising as a result of the specific working conditions applicable at the location in which the portable ignition unit is used, by performing a risk assessment. This must be implemented in the form of operating instructions governing operation of the portable ignition unit.
- The owner must test; throughout the service life of the portable ignition unit, whether the operating instructions drawn up by him still correspond with the latest revision of the relevant rules and regulations, and must update these where applicable.
- The owner must clearly regulate and define fields of responsibility for installation, operation, maintenance and cleaning.
- The owner must ensure that all employees involved in working with the portable ignition unit have read and understood the operating instructions.
- Furthermore, the owner must provide personnel training at regular intervals and inform staff of potential hazards.
- As the owner is also responsible for ensuring that the portable ignition unit is always in good technical working order the following requirements additionally apply:
- The owner must ensure that maintenance work is performed regularly.
- The owner must regularly check that all safety devices are fully functional and complete.
- The owner must provide the necessary protective gear for personnel.

Operating personnel

Requirements

**WARNING!****Danger of injury due to insufficient qualification**

Incorrect handling of the equipment can result in severe personal injury and material damage.

– Only allow activities to be performed by suitably qualified specialist personnel.

- The following qualifications are required for the various fields of activity:
- **Qualified personnel**
are capable on the basis of their specialist training, knowledge and experience as well as their knowledge of the applicable regulations of executing the work assigned to them and of independently recognizing possible hazards.
- **Electrical specialists**
are capable on the basis of their specialist training, knowledge and experience as well as their knowledge of the applicable regulations of working on electrical installations and of independently recognizing possible hazards.
Electrical specialists have received training specifically for the work environment in which they are employed and are familiar with the relevant standards and regulations.
- **Gas specialists**
are capable on the basis of their specialist training, knowledge and experience as well as their



knowledge of the applicable regulations of working on gas installations and of independently recognizing possible hazards.

Gas specialists have received training specifically for the work environment in which they are employed and are familiar with the relevant standards and regulations.

- Only persons who may be expected to perform their task reliably may be authorized to use the equipment. Persons whose reaction capacity is impaired, for example due to drugs, alcohol or medicine use, may not be authorized.
- When selecting suitable personnel, observe the age and profession-specific regulations applicable at the place of use.

Unauthorized persons



WARNING! Danger for unauthorized persons!

Persons who do not comply with the requirements described here are not aware of the dangers inherent in the work area.

- Keep unauthorized persons away from the work area.
- In case of doubt, approach the person in question and direct them out of the work area.
- Interrupt work for as long as any unauthorized person remains in the work area.

Intended purpose of the equipment

The portable ignition unit is exclusively designed to perform the intended purpose described here.

The portable ignition unit is a piece of equipment that has to be integrated into a gas-consuming installation. It must not be operated without an overriding burner control system. It is designed for the sole purpose of lighting and supporting any gas- or oil fuel fired burner of medium heat release in industrial furnaces, thermo-processing plants and boilers.



WARNING!

Danger due to use not in accordance with the intended purpose!

Any application beyond and/or not in accordance with the intended purpose of the portable ignition unit can result in the occurrence of hazardous situations.

- Only operate the portable ignition unit when in a mounted condition. Ensure that the combustion points created by the flame are fitted with a suitable extraction facility over the exposed flue gas channel throughout the plant.
- Only operate the portable ignition unit according to the specifications indicated on the rating plate. Otherwise, potential danger of personal or material damage can arise.
- Adhere to all the instructions provided in this operating manual without fail.

The manufacturer cannot be held liable for physical or material harm caused by misuse of equipment or use for anything other than its intended purpose.

Personal protective gear

- Personal protective gear must be worn while working with the equipment in order to minimize potential health hazards.
- Wear the protective gear necessary for performance of the relevant task at all times while working.
- Observe all signs relating to personal protective gear in the work area.

**To be worn at all times**

Wear the following for the performance of all work:

**Protective work clothing**

This comprises tight-fitting work clothes which are resistant to tearing, have tight-fitting sleeves and no projecting parts. This is required primarily to protect against burns.

**Safety glasses**

To protect the eyes for particles, dust and sparks.

**Safety Helmet**

To protect the head against falling articles.

**Safety shoes**

To protect the feet against heavy falling articles and to prevent slipping on floors.

To be worn for special types of work

When performing special types of work, special safety equipment is required. This is covered in depth in the individual chapters of this instruction manual. These types of special protective gear are described in the following:

**Face protection**

To protect one's eyes and face from flames, sparks or embers as well as hot particles or flue gases.

**Protective gloves**

To protect one's hands from rubbing, chafing, puncturing or deeper injuries and from contact with hot surfaces.



Special dangers

Remaining dangers are listed in the section below.

The remarks provided here and the safety instructions in the subsequent chapters of this operating manual must be observed in order to reduce the possible risk to health and prevent the occurrence of dangerous situations.

Incorrect transport



WARNING!

Danger of injury as a result of incorrect transport!

In the case of incorrect transport, considerable material damage can occur.

Note the intrinsic weight of the portable ignition unit or the components. If necessary, use suitable hoisting gear.

From an outer tube length of 3 m use several lashing points or a suitable hoisting gear with supports.

Please mind the centre of gravity.

Secure the portable ignition unit from dropping down or falling over.

Do not stand under the load while lifting or lowering it and stay out of the danger zone.

Electrical current



DANGER!

Potentially fatal injury due to electrical current!

Contact with live components can cause fatal injury. Damage to the insulation or individual components can have potentially life-threatening consequences.

- In the event of damage to the insulation of the power supply, switch off immediately and arrange for repairs to be carried out.
- Work on the electrical system may only be carried out by suitably qualified electricians.
- Before performing any work at the electrical system, disconnect it from the power supply and check that it is no longer live.
- Before starting work, switch off the power supply and make sure it cannot be inadvertently switched back on.
- Never bypass or decommission fuses. When changing fuses, adhere to the correct amperage and the correct characteristics.
- Keep moisture away from live components. This can create a short circuit.

Highly inflammable materials



WARNING!

Danger of burns due to flammable materials!

Highly flammable materials, liquids or gases can catch fire and cause serious to fatal injuries.

- Do not smoke in the danger area and in the close vicinity. Do not use any naked flames or ignition sources.
- Keep a fire extinguisher on hand.
- Report suspicious substances, liquids or gases immediately to the responsible officer.
- In case of fire, stop work immediately. Leave the danger area until the all-clear is given.

Hot surfaces



CAUTION!

Danger of burns due to hot surfaces!

Contact with hot components can cause burns.

- When carrying out any work near hot components, always wear protective work clothing and safety gloves.
- Before performing any work, ensure that all components have cooled to ambient temperature.

**Sharp edges and pointed corners****CAUTION!****Danger of injury on edges and corners!**

Sharp edges and pointed corners can cause chafing of the skin and cuts.

- Take particular care when performing work near to sharp edges and pointed corners.
- In unsure, wear safety gloves.

Securing against unauthorized switching use**DANGER!****Risk of fatal injury due to unauthorized use!**

When working in the danger area, there is a risk that the energy supply could be switched on by an unauthorized person. This creates a potentially fatal hazard for persons working in the danger area.

- Observe the instructions provided on securing against unauthorized switching back on in the chapters of this operating manual.
- Always observe the procedure described below to secure against unauthorized switching back on.

Switch safeguarded by lock
on: athours

DO NOT SWITCH ON

The lock may only be removed
by:

once steps have been taken to
ensure that no persons are located
in the danger area.

Securing against unauthorized use

1. Switch off the power supply.
2. If possible, secure the switch with a lock and attach a sign in an easily visible location at the switch.
3. Have the key looked after by the employee named on the sign.
4. Should it not be possible to secure a switch using a lock, set up a sign.
5. Once all the work has been carried out, ensure that there are no longer any persons located in the danger area.
6. Ensure that all safety devices are installed and are fully functional.
7. Only then may the sign be removed.

Switched off
on: athours

DO NOT SWITCH ON

The lock may only be removed
by:

once steps have been taken to
ensure that no persons are located
in the danger area..

Response in case of danger or accident**Preventive actions**

- Always be prepared for accidents and for fires!
- Keep first aid equipment (first aid kit, blankets etc.) and a fire extinguisher on hand.
- Familiarize personnel with accident alarm, first aid and rescue facilities.
- Ensure that access paths for emergency vehicles are kept unobstructed.

**In case of accident:
React correctly**

- Initiate first aid measures.
- Evacuate any persons located in the danger area.
- Inform those responsible at the incident location.
- Alert the emergency medical / fire services.
- Clear access paths for emergency vehicles.

STORAGE AND TRANSPORTATION.

Important:

Till the day of delivery Smitsvonk is responsible for the supplied materials. Damages caused after the delivery are not under the guarantees of Smitsvonk anymore. If the customer is taking care of the transport itself the responsibility of Smitsvonk stops at the moment of transfer of the products.

To minimise the chance of damages to the supplied materials Smitsvonk advises to observe the following points:

Storage:

- If no assembling takes place in a short term, keep the goods in the packaging as long as possible.
- Be sure that in the storage accommodation the chances for damages are minimised.
- Device is to be stored in a dry and dust-free place. Ambient temperature during storage shall be 0 - 60 °C. No operation and storage below dew point. Moisture must not exceed 60 %. Device shall be protected from mechanical damages.

Transportation:

- The packaging protects the materials against shocks or others forms of extreme strains. During transportation of the goods and after removing the packaging please obtain the next:
Prevent the goods against shocks or other extreme forms of strains that can damage the goods.

Important:

This equipment contains a Li-Ion battery please note the following regulations for shipping:

The international regulations applicable to air shipments of lithium batteries have changed. Compliance with the new regulations is mandatory effective 1 April 2016. All shippers are required to understand and comply with the applicable regulations. Please reference the IATA regulations, which may be found online at:

<http://www.iata.org/lithiumbatteries>.

Note: For information about shipping lithium batteries within the U.S., please refer to regulations published by the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA), which may be found at:

<http://phmsa.dot.gov/hazmat>.



PRODUCT DESCRIPTION

This portable high energy low-tension ignition device is especially developed for the ignition of a great number of small gas burners, as used in the furnaces of the petrochemical industry.

The portable ignition unit consists mainly of two parts. One part is the ignition lance with an outer diameter of 15 mm, on the end of which a fixed high energy spark plug is mounted. On the other end is the handgrip. The ignition lance is connected to the second part, the ignition device by means of a special ignition cable. The ignition unit has a power isolator and a push button to operate the ignition unit.

The second part of the device consists of one box, which is supplied with a shoulder belt.

The box contains a 14,8 V Li-Ion battery, a connector for the connection of a battery charger, the ignition unit, which generates about 180 sparks a minute and a battery status LED.

The battery consists a capacity of 2,6 Ah, so the device can be used approx. 3 hours continuously at ambient temperatures before recharging the battery.

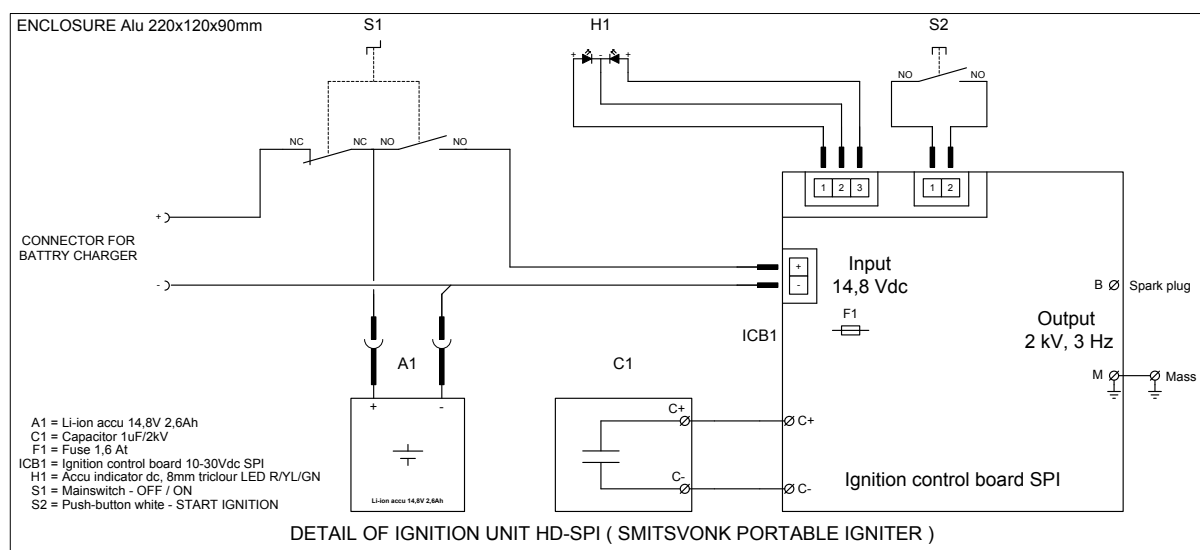
DESCRIPTION OF ELECTRICAL OPERATION

By operating the pushbutton on the ignition unit, the battery voltage is converted to 2000 V.

The capacitor will be discharged via the thyristor across the low-tension spark plug in a short time and with a high current. Due to this short time of discharge and high current a flame-shaped spark on the spark plug is obtained, which is unaffected by filthiness, humidity and other disturbances.

The ignition unit generates about 180 sparks a minute, also indicated by a red LED on the P.C.B.

An bleeder resistor is installed to ensure that the capacitor will be discharged when the unit is switched off.





TECHNICAL DATA

Ignition unit

Enclosure dimensions	: 120 x 220 x 90 mm
Material enclosure	: Aluminium
Protection	: IP66
Ignition energy	: 2 Joule per spark
Ignition frequency	: 3 sparks per second
Ignition tension	: 2000 V
Max. continuous use	: 3 minutes, pause time 200%
Min./max. Temperature	: -20 to 60 degree C.
Manufacturer battery	: Samsung SDI Co.,Ltd.
Type battery	: Li-Ion ICR18650-26F or ICR18650-26H
Battery construction	: 4 cells in series with a nominal voltage of 14,8V
Total capacity battery	: 2,6 Ah
Total Wh rating battery	: 4 x 9,36 Wh = 37,44 Wh
Battery LED indicator green	: Ready for operation
Battery LED indicator yellow	: Operation possible for a number of minutes
Battery LED indicator red	: Must be recharged.
Ignition cable length	: 2,5 meter
Ignition cable type	: SEKB000247 - 1 x 4 mm ² (S.W.A.)
Weight	: 4,4 kg including cable and a lance of 1000 mm : 4,8 kg including cable and a lance of 1500 mm : 5,2 kg including cable and a lance of 2000 mm
SPI Ignition unit	: Smitsvonk P/N. 106464

Ignition lance

Diameter	: 15 mm
Type	: 15-L-TP12
Length lance (L)	: 500 to 2000 mm in steps of 100 mm
Material lance	: 316 Ti SST
Life time of ignition lance	: 1.000.000 sparks
Allowable operation temperature	: 600 degree C, short service (2 min.) 800 degree C.
Options	: Lance diameter 12 mm, bended lance or flexible lance.

Handgrip

Material handgrip	: Anodised Aluminium
Handgrip and 2,5 mtr cable, no lance	: Smitsvonk P/N. HMLANS0180

Battery charger with connection plug

Type	: For Li-Ion battery
Electrical connection power supply	: Exchangeable AC plugs
Electrical connection to igniter	: Lemo Straight plug 2CTS, FGG.0K.302.CLAC40Z
Protection	: IP4X
Power supply battery loader	: 90 – 264 Vac, 47 - 63 Hz
Charging current	: 900 mA +5%, -7%
Green LED (on charger)	: End of charging time
Red LED (on charger)	: Charging.
Loading time	: Appr. 3 hours
Operating temperature charger	: -25 to 40 degree C
Weight loader	: 115 gram
Smitsvonk P/N.	: SEBACH0114

OPERATION INSTRUCTIONS

Also check the operation instructions of the furnace or boiler!

Ignition unit is provided with a main on/off switch. Always switch the ignition unit off when the ignition unit is moved!

**Never make sparks on places where this is not allowed!
Never touch the sparkplug when the unit produces sparks!
Never point the ignition lance to other people!**

Before pressing the pushbutton, the ignition lance must be placed into the ignition hole of the main burner. Main on/off switch should be in the position "on".

When the pushbutton is being pressed the ignition unit will be activated and starts to produce sparks.

Now the main gas valve to the burner should be opened slowly according to the specifications given by the burner or furnace manufacturer.

In case a very large amount of burners should be ignited, it is of importance to check the battery once a while during operation.

Remark: the time for the ignition unit to spark, should not exceed the maximum of 3 minutes.



CHARGING OF THE BATTERY

The three collar LED indicates the power level of the battery. Continuous red LED means that the battery must be charged, a blinking red LED means that the unit is stopped.

MAIN SWITCH IN OFF POSITION



REMOVE PROTECTION CAP



**CONNECT THE PLUG TO THE SOCKET
THE RED LINE ON THE PLUG AND SOCKET
SHOULD BE IN THE SAME POSITION!**

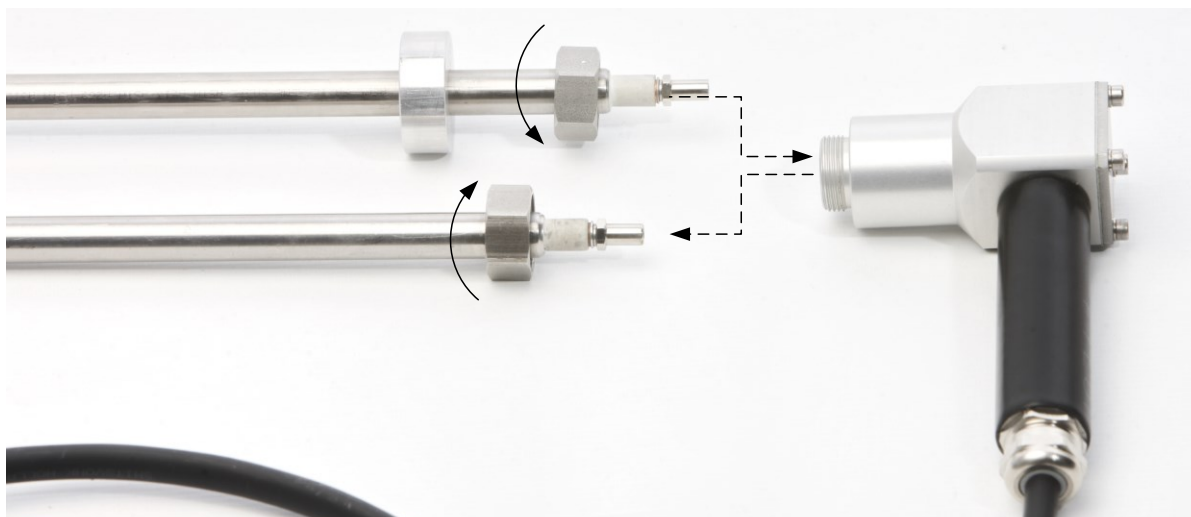
**LED ON CHARGER
RED = CHARGING
GREEN = READY**



MAINTENANCE INSTRUCTIONS

Besides charging of the battery from time to time no further maintenance is normally required. It is only of importance to keep the unit clean, and not expose it to high temperatures or high humidity. The spark plug in the ignition lance is the only part that is subject to wear. To replace the spark plug it is necessary to remove the ignition lance from the handle. For this purpose the nut must be loosened, and the ignition lance removed from the handle by gently pulling out the tube housing. Now a new lance with spark plug can be mounted.

REPLACEMENT OF IGNITION LANCE



In order to keep the maximum capacity of the re-chargeable batteries, it is advised to discharge the batteries complete once a year.

The Cable is mounted to the ignition unit and the lance by means of cable glands. The gland on the unit can be reached from the outside to loosen the cable.

After removal of 4 screws the front cover can be pulled out of the housing and the gland nut can be reached for removal of the whole gland. A new cable must be mounted in opposite way.

To change the cable on the lance side, unscrew the cover from its housing and take the cable from the rod.

The batteries and the ignition unit are connected to each other by means of the main switch.

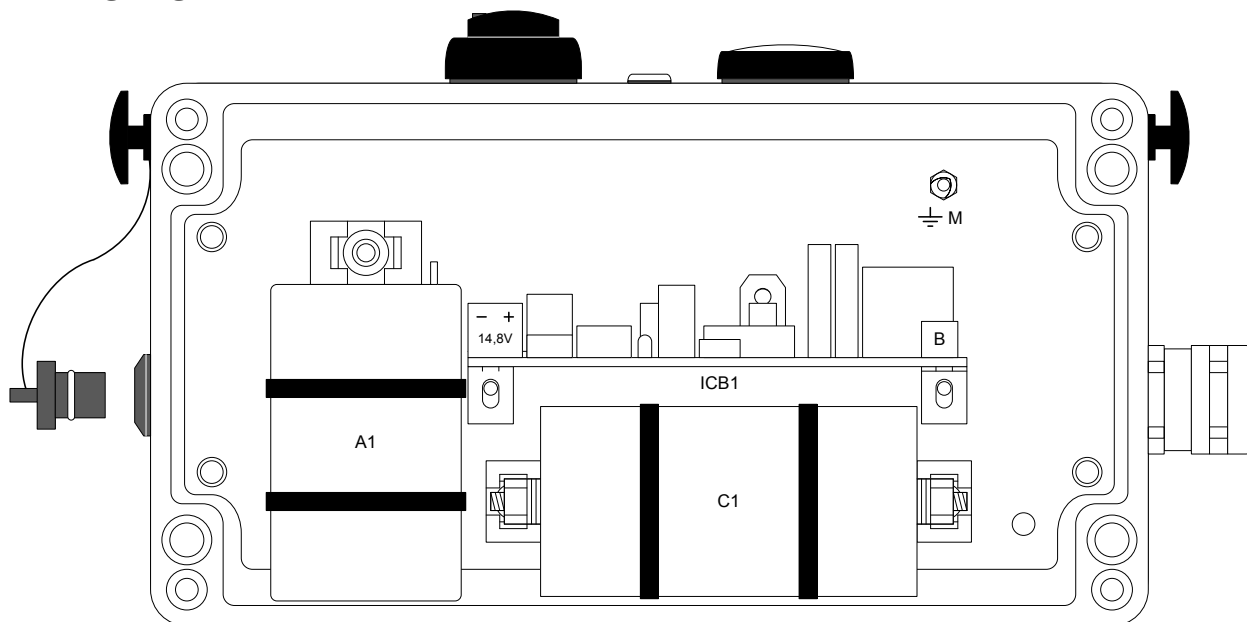
For replacement of parts please order them according the annexed spare parts list.

IMPORTANT!

To avoid short-circuit or electrical shock it is recommended to dismount the battery charger and battery before any maintenance is done on this ignition device.



PARTS LIST



PARTLIST					
ELECTRICAL CODE	DESCRIPTION	TYPE	MANUFACTURER	STOCK NO.	QTY
-	Enclosure	Alu-enclosure 120x220x90 RAL5017 (HD-SPI)	ROSE	SEKARM0120	1
-	Mounting plate	Mounting plate Sendzimir 95x205x3mm, HD-SPI 122209	SMITSVONK	SEMPMP0095	1
A1	Accu	Li-ion accu 14,8V 2,6Ah (SPI)	LANDMAN	SEBA000014	1
C1	Capacitor	Capacitor 1uF/2kV, MOB105-2K (-40°C to +85°C)	SMITSVONK	SECO2K5001	1
ICB1	Print board	Ignition control board 10-30Vdc for SPI	SMITSVONK	HETHY00070	1
H1	Accu indicator	Accu indicator 12Vdc, 8mm tricolor LED R/YL/GN	CML INNOVATIVE TECHNOLOGIES	SEME000814	1
S1	Mainswitch OFF / ON	Rotary switch GREEN, ITW 76-9470/439088G IP67/10A/250Vac	ITW	SESC000255	1
S2	Push button START IGNITION	Push-button WHITE, ITW 76-9111/439088 IP67/10A/250Vac	ITW	SESC000244	1

RECOMMENDED SPARE PARTS FOR NORMAL OPERATION

1 x Fuse 1,6 A (slow) type TR5. Smitsvonk article number SEKM090116.

1 x Ignition lance, see unit for the length and diameter of the lance.

Type Lance	Length	Art. Number
15-500-TP12	500 mm	KLANS15002
15-600-TP12	600 mm	KLANS15003
15-700-TP12	700 mm	KLANS15004
15-800-TP12	800 mm	KLANS15005
15-900-TP12	900 mm	KLANS15009
15-1000-TP12	1000 mm	KLANS15006
15-1100-TP12	1100 mm	KLANS15007
15-1200-TP12	1200 mm	KLANS15008
15-1300-TP12	1300 mm	KLANS15010
15-1400-TP12	1400 mm	KLANS15011
15-1500-TP12	1500 mm	KLANS15012
15-1600-TP12	1600 mm	KLANS15016
15-1700-TP12	1700 mm	KLANS15014
15-1800-TP12	1800 mm	KLANS15015
15-1900-TP12	1900 mm	KLANS15019
15-2000-TP12	2000 mm	KLANS15020

DISMANTLING AND DISPOSAL

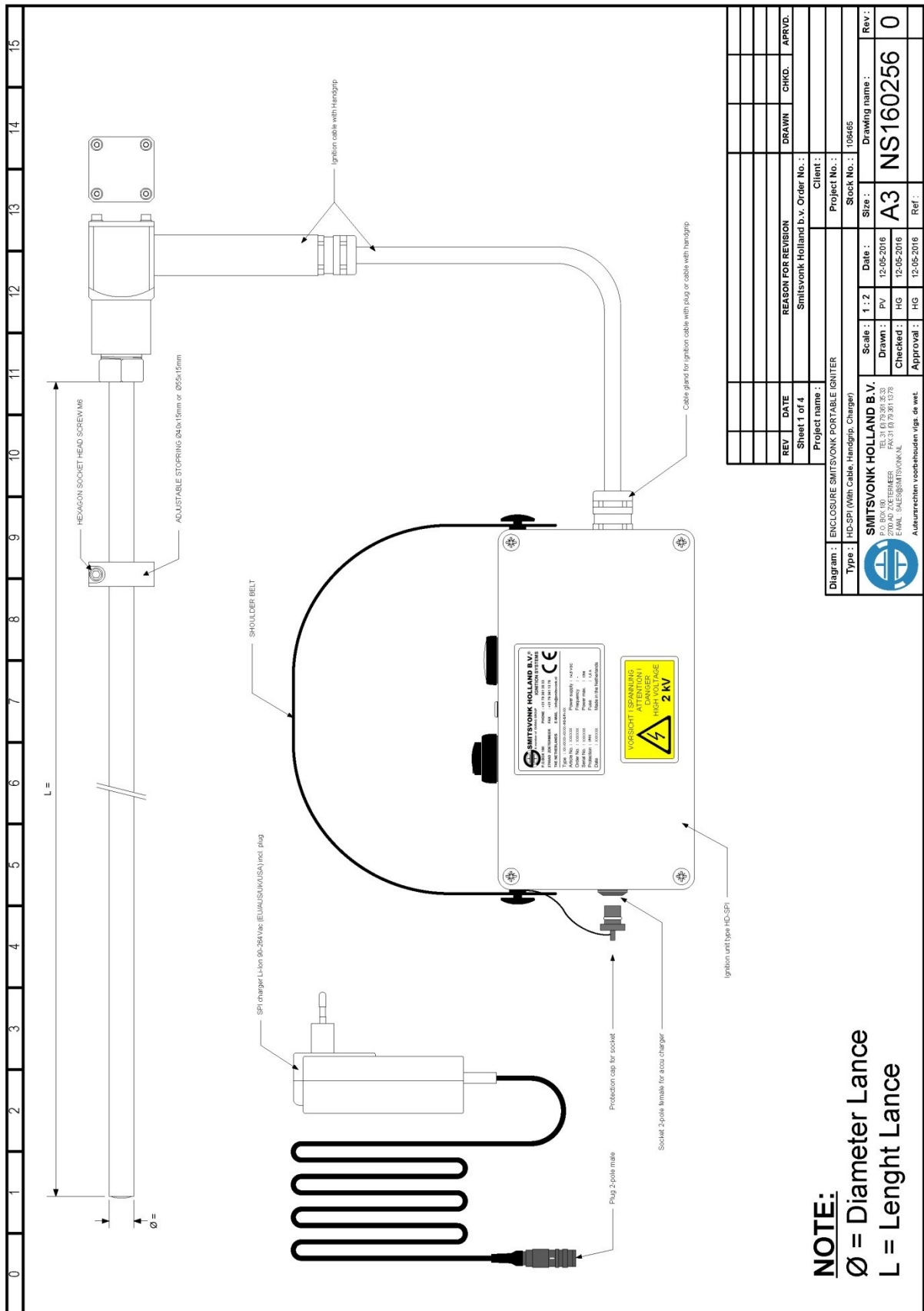
Disposal

After the end of its service life, the flame monitor must be dismantled and sent for environmentally responsible recycling.

By making your contribution to the correct disposal of this product, you are helping to protect the environment and preserve the health of your fellow human beings. Irresponsible disposal places the environment and our health at risk. Material recycling helps to reduce the consumption of raw materials. Current information on the recycling of this product can be obtained from your local authority and municipal waste management agency.



DRAWING: NS160256-0 page 1.





EU DECLARATION OF CONFORMITY

Manufacturer: SMITSVONK HOLLAND B.V.

Address: Goudstraat 6, 2718 RC Zoetermeer, the Netherlands

Product description: Ignition unit SPI . . .

The described product complies with the following provisions of council Directive, provided that it is installed, maintained and used in applications for which it was made, in accordance with relevant installation standards and manufacturer's instructions.

EMC Directive – 2014/30/EU

Low Voltage Directive – 2014/35/EU

We confirm the conformity of the above mentioned product with the following standards:

EN 61010-1: 2010

Safety requirements for electrical equipment for measurement, control, and laboratory use.

EN 61326-1: 2013

Electrical equipment for measurement, control and laboratory use.

Issuer: Smitsvonk Holland B.V.

Place, date: Zoetermeer, 15 April 2016

Legally binding signature

**Hans Gon
(Managing Director)**



DURAG GROUP COMPANY ADDRESSES

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