SAM-1N

Ref. 064935

GYS
INVEST IN THE FUTURE

The Smart Automation Module (SAM-1N) is a communication solution between compatible GYS welding powersources and most PLCs/robots. SAM converts the language of communication «GIN» (GYS Internal Network) in machine language for a complete management of automats/robots. Designed to operate without any modification of its code, even when changing welding process and communication network, the SAM-1N module has a plug and play operation for simple installation.

MULTI-NETWORK CONNECTOR

6 communication protocols available:
- EtherNET IP
- ModbusTCP
- ProfiNET
- EtherCAT
- DeviceNET
- CANopen

3 OPERATING MODES

- **JOB mode:** allows the call of pre-recorded programs with possible interactions.
- **PARAMETER mode:** allows to control the powersource with all parameters (up to 170 parameters)
- **TRACKING mode:** allows real-time control of the source (depending on the machine).

MODULARITY

The generator/SAM-1N assembly can be reassigned to a new system without modifying it (integration into a new machine, replacement of a PLC or robot, automation of a process, etc).

HARDWARE COMPATIBILITY

The module provides access to almost all the parameters of the welding generator, allowing total control of the process by the PLC or the robot.
- **TIG PROCESS:** TITAN 400 DC / TITANIUM 400 AC/DC
- **MIG/MAG PROCESS:** NEOPULSE 320C / 400 G / 500 G
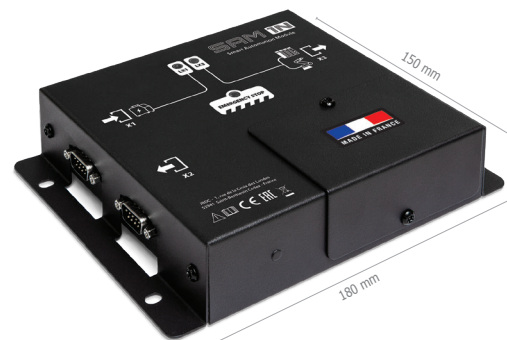
INTEGRATION SUPPORT

The integrator can use a mapping file, making installation easier on the following robots*:
- Automatons: Siemens, Schneider, Rockwell, Proface, etc.
- Robots : Yaskawa, Fanuc, Kuka, ABB, Universal Robots, etc.

*Other brand: consult us

ADVANCED INTUITIVITY

- Interchangeable multi-network connectors
- IP23 case.
- Easy fixing

150 mm
180 mm

Supplied with:
- DB9 cable 0.5m (connection to the power)
- Adhesive fixing
- USB stick (manual, updated documentation, etc.)
- Quick installation instructions

GYS generator — Automaton/robot
GYS language — Multi-network connector optional

CONNECTIVITY KITS

More information

ACCESSORIES (options)

Essential kits to be installed in the generator

NUM MIG-1 Kit 062993
NUM TIG-1 Kit 037960

		NUM MIG-1 Kit	NUM TIG-1 Kit
NEOPULSE 320 C	062474	✔	
NEOPULSE 400 G	014497	✔	
NEOPULSE 500 G	014503	✔	
TITANIUM 400 AC/DC	013568		✔
TITAN 400 DC HF	013520		✔

Multi-network connectors (ANYBUS®) :

EtherNET IP	062078
ModbusTCP	063013
ProfiNET	062085
EtherCAT	063006
DeviceNET	062092
CANopen	062108

CE - EN 60974-1

MADE in FRANCE

www.gys.fr