

Interfaccia Uscita Impulsi per ripetizione conteggio energia 2 Uscite indipendenti e isolate

Programmazione di:
Energia associata (attiva e/o reattiva)
Peso impulsi
Durata impulsi

Il modulo IF96003 abbinato a strumenti della serie **Nemo 96HD/HD+** consente la ripetizione a distanza del conteggio dell'energia.

Ogni modulo è dotato di due uscite indipendenti ed isolate, liberamente associabili al conteggio dell'energia attiva e/o reattiva positiva e/o negativa.

In ogni strumento (**Nemo 96HD/HD+**) è possibile inserire un massimo di due moduli IF96003 ottenendo così quattro uscite impulsi.

Interface Pulse Output for energy count repetition 2 Independent and insulated outputs

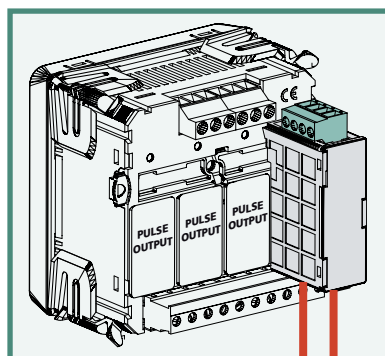
Programming of:
Associated energy (active and/or reactive)
Pulse weight
Pulse duration

IF96003 module used with meters of **Nemo 96HD/HD+** series, it allows the remote repetition of energy count.

Two independent and insulated outputs can be freely associated to active and/or reactive positive and/or negative energy count.

For every meter (**Nemo 96DH/HD+**) it is possible to connect max. 2 IF96003 module, obtaining in this way 4 pulse outputs.

Nemo MD



Wh

varh



Energia Attiva
Active Energy

Energia Reattiva
Reactive Energy

CODICI DI ORDINAZIONE ORDERING CODE

IF96003

2 uscite impulsi / 2 pulse output

PARAMETRI PROGRAMMABILI per ogni singola uscita

Energia associata:

energia attiva positiva (EWh+)
energia reattiva positiva (Evarh+)
energia attiva negativa (EWh-)
energia reattiva negativa (Evarh-)

Peso impulso: 1imp/10Wh - 100Wh - 1kWh - 10kWh - 100kWh - 1MWh - 10MWh
1imp/10varh - 100varh - 1kvarh - 10kvarh - 100kvarh - 1Mvarh - 10Mvarh

Durata impulso: 50 - 100 - 200 - 300ms

USCITE

2 optorelè con contatto SPST-NO libero da potenziale

Portata contatti: 110Vcc/ca - 50mA

ALIMENTAZIONE AUSILIARIA

Valori riferiti all'abbinamento strumento multifunzione Nemo 96HD/HD+ e interfaccia IF96003

Autoconsumo IF96003: ≤ 1VA

Autoconsumo Nemo 96HD/HD+ e interfaccia IF96003: ≤ 5VA

Autoconsumo Nemo 96HD/HD+ e 2 interfacce IF96003: ≤ 6VA

ISOLAMENTO

(EN61010)

Valori riferiti all'abbinamento strumento multifunzione Nemo 96HD/HD+ e interfaccia IF96003

Prova a tensione alternata 2 kV valore efficace 50Hz/1min

Circuiti considerati: ingresso misura, alim.ausiliaria, uscita 1 - uscita 2

CUSTODIA

Custodia: modulo con connettore per inserimento strumento Nemo 96HD/HD+

Profondità massima: 81mm (Nemo 96HD/HD+ e modulo)

Connessioni: morsetti fissaggio a vite

Portata morsetti: cavo rigido max. 4,5mm²
cavo flessibile max. 2,4mm²

Materiale custodia: policarbonato autoestinguente

Peso: 30 grammi

PROGRAMMABLE PARAMETERS for each output

Associated energy:

positive active energy (EWh+)
positive reactive energy (Evarh+)
negative active energy (EWh-)
negative reactive energy (Evarh-)

Pulse weight: 1 pulse/10Wh - 100Wh - 1 kWh - 10 kWh - 100kWh - 1MWh - 10MWh
1 pulse/10varh - 100varh - 1kvarh - 10kvarh - 100kvarh - 1Mvarh - 10Mvarh

Pulse duration: 50 - 100 - 200 - 300ms

OUTPUTS

2 optorelays with potential-free SPST-NO contact

Contact range: 110V dc/ac 50 mA

AUXILIARY SUPPLY

Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96003 interface

Rated burden IF96003: ≤ 1VA

Rated burden Nemo 96HD/HD+ and IF96003 interface: ≤ 5VA

Rated burden Nemo 96HD/HD+ and 2 IF96003 interface: ≤ 6VA

INSULATION

(EN61010)

Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96003 interface

A.C. voltage test 2 kV r.m.s. value 50Hz/1min

Considered circuits: measure, aux. supply, output 1 - output 2

HOUSING

Housing: module with connector for connection Nemo 96HD/HD+ meter

Max. depth: 81mm (Nemo 96HD/HD+ and module)

Connections: screw terminals

Terminals range: rigid cable max. 4,5mm²
flexible cable max. 2,4mm²

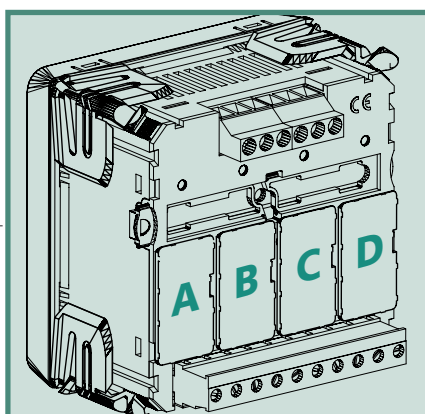
Housing material: self-extinguishing polycarbonate

Weight: 30 grams

CODICE CODE	DESCRIZIONE DESCRIPTION	N. MASSIMO N. MAX.	POSIZIONE POSITION				VERSIONE ¹ FIRMWARE ¹
			A	B	C	D	
IF96003	2 uscite impulsi energia 2 energy impulse output	2	•	•	•	•	2.3

¹ **VERSIONE FIRMWARE:** in tabella viene indicata la versione dello strumento necessaria a supportare la funzione del modulo aggiuntivo.

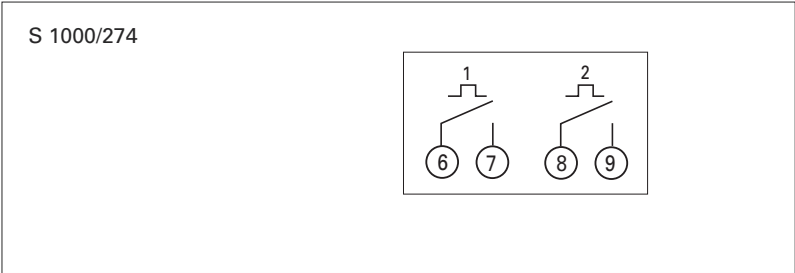
Utilizzando un modulo comunicazione IF96001 (RS485) o IF96002 (RS232) è possibile aggiornare la versione firmware direttamente in campo, con l'ausilio di un PC e del software necessario.



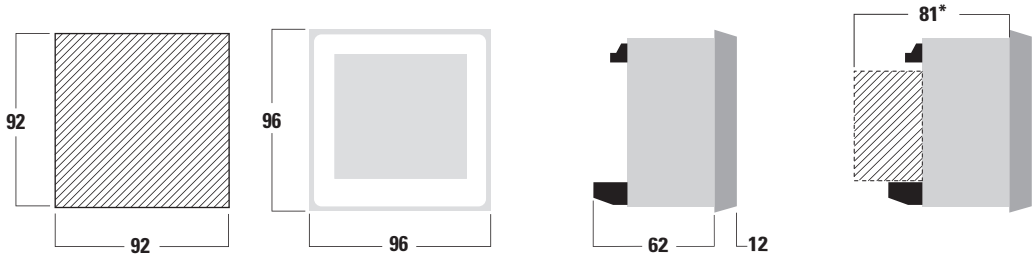
¹ **FIRMWARE VERSION:** on the table it is shown the firmware version of the meter which is necessary to support the function of the extra module.

By using an IF96001 (RS485) or IF96002 (RS232) communication module it is possible to update the firmware version directly on field, with the help of a PC and the necessary software.

SCHEMA D'INSERZIONE WIRING DIAGRAM



DIMENSIONI DIMENSIONS



Interface Sortie impulsions pour la transmission à distance du comptage de l'énergie 2 Sorties indépendantes et isolées

Programmation de :
Energies associées (active et/ou réactive)
Poids de l'impulsion
Durée de l'impulsion

Le module **IF96003**, raccordé aux centrales de mesures type **Nemo 96HD/HD+**, permet le report à distance du comptage de l'énergie.

Deux sorties indépendantes et isolées peuvent être librement associées au comptage de l'énergie active et/ou réactive. positive et/ou négative.

Sur chaque centrale (**Nemo 96HD/HD+**), il est possible de raccorder au max. 2 modules **IF96003** pour obtenir 4 sorties impulsions.

Interface Pulse Output for energy count repetition 2 Independent and insulated outputs

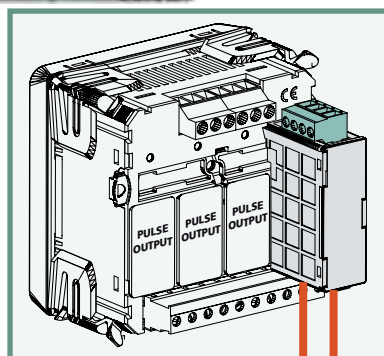
Programming of:
Associated energy (active and/or reactive)
Pulse weight
Pulse duration

IF96003 module used with meters of **Nemo 96HD/HD+** series, it allows the remote repetition of energy count.

Two independent and insulated outputs can be freely associated to active and/or reactive positive and/or negative energy count.

For every meter (**Nemo 96DH/HD+**), it is possible to connect max. 2 **IF96003** module, obtaining in this way 4 pulse outputs.

Nemo MD



Wh

varh



Energie Active
Active Energy

Energie Réactive
Reactive Energy

REFERENCE ORDERING CODE	
9017 6043	2 sorties impulsions / 2 pulse output

PARAMETRES PROGRAMMABLES pour chaque sortie
Energie associée: énergie active positive (EWh+) énergie réactive positive (Evarh+) énergie active négative (EWh-) énergie réactive négative (Evarh-)
Poids de l'impulsion: 1imp/10Wh - 100Wh - 1kWh - 10kWh - 100kWh - 1MWh - 10MWh 1imp/10varh - 100varh - 1kvarh - 10kvarh - 100kvarh - 1Mvarh - 10Mvarh
Durée de l'impulsion: 50 - 100 - 200 - 300ms

SORTIE
2 opto relais avec contact SPST-NO libre de potentiel
Pouvoir de coupure: 110Vcc/ca - 50mA

ALIMENTATION AUXILIAIRE
Valeur référée à la combinaison NEMO 96HD/HD+ et interface IF96003
Autoconsommation IF96003: ≤ 1VA Autoconsommation Nemo 96HD/HD+ et interface IF96003: ≤ 5VA Autoconsommation Nemo 96HD/HD+ et 2 interfaces IF96003:: ≤ 6VA

ISOLEMENT	(EN61010)
Valeur référée à la combinaison NEMO 96HD/HD+ et interface IF96003	
Tension d'essai 2 kV valeur efficace 50Hz/1min	
Circuits considérés: entrée mesure, alim. aux., sortie 1 - sortie 2	

BOITIER
Boîtier: Module avec connecteur pour le raccordement sur le Nemo 96HD/HD+
Profondeur maximum: 81mm (Nemo 96HD/HD+ et module)
Raccordement: bornier à vis
Capacité des bornes : fil rigide max. 4,5mm² fil souple max .2,4mm²
Matériau du boîtier: polycarbonate autoextinguible
Poids: 30 grammes

PROGRAMMABLE PARAMETERS for each output
Associated energy: positive active energy (EWh+) positive reactive energy (Evarh+) negative active energy (EWh-) negative reactive energy (Evarh-)
Pulse weight: 1 pulse/10Wh – 100Wh - 1 kWh – 10 kWh – 100kWh – 1MWh – 10MWh 1 pulse/10varh – 100varh – 1kvarh – 10kvarh – 100kvarh – 1Mvarh – 10Mvarh
Pulse duration: 50 – 100 – 200 - 300ms

OUTPUTS
2 optorelays with potential-free SPST-NO contact
Contact range: 110V dc/ac 50 mA

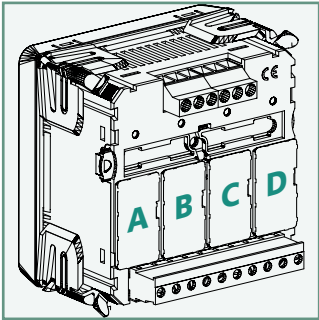
AUXILIARY SUPPLY
Value referred to combination Nemo 96HD/HD+ multifunction meters .. + IF96003 interface
Rated burden IF96003: ≤ 1VA Rated burden Nemo 96HD/HD+ and IF96003 interface: ≤ 5VA Rated burden Nemo 96HD/HD+ and 2 IF96003 interface: ≤ 6VA

INSULATION	(EN61010)
Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96003 interface	
A.C. voltage test 2 kV r.m.s. value 50Hz/1min	
Considered circuits: measure, aux. supply, output 1 - output 2	

HOUSING
Housing: modulewith connector for connection Nemo 96HD/HD+ meter
Max. depth: 81mm (Nemo 96HD/HD+ and module)
Connections: screw terminals
Terminals range: rigid cable max. 4,5mm² flexible cable max. 2,4mm²
Housing material: self-extinguishing polycarbonate
Weight: 30 grams

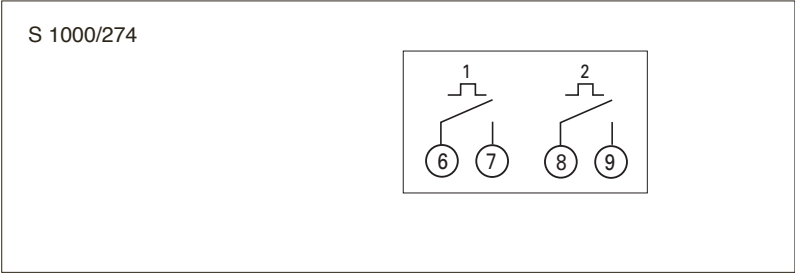
CODE	DESCRIPTION	N.MAX	POSITION				VERSION ¹ FIRMWARE ¹
			A	B	C	D	
9017 6043	2 sorties impulsions énergie 2 energy impulse output	2	●	●	●	●	2.3

¹VERSION FIRMWARE : sur le tableau figure la version firmware de la centrale nécessaire pour supporter la fonction du module supplémentaire.
 En utilisant un module de communication IF96001 (RS485) ou IF96002 (RS232), il est possible de mettre à jour la version firmware directement en façade, à l'aide d'un PC et du logiciel approprié.



¹FIRMWARE VERSION : on the table it is shown the firmware version of the meter which is necessary to support the function of the extra module.
 By using an IF96001 (RS485) or IF96002 (RS232) communication module it is possible to update the firmware version directly of field, with the help of a PC and the necessary software.

SCHEMA DE RACCORDEMENT WIRING DIAGRAM



DIMENSIONS DIMENSIONS

