

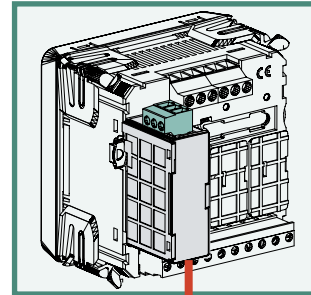
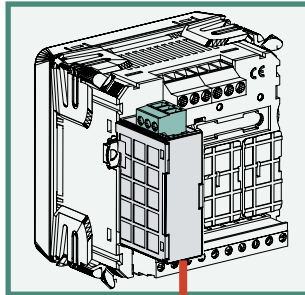
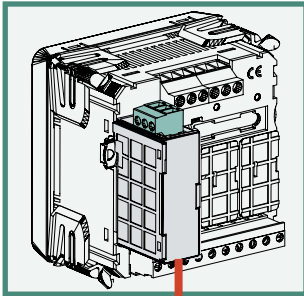
**Interfaccia
Comunicazione M-Bus
per Nemo 96HD/HD+**

**Interface
M-Bus communication
for Nemo 96HD/HD+**

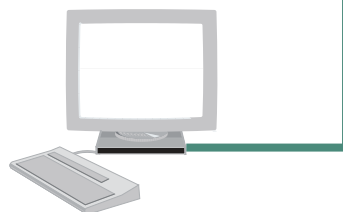
Nemo MD

Il modulo IF96013 abbinato a strumenti della serie Nemo 96HD/HD+ rende disponibili tramite comunicazione M-Bus i dati riguardanti le misure effettuate ed i parametri di configurazione

Module IF96013 combined with meters of Nemo 96HD/HD+ series makes available, by M-Bus communication, the data relevant to carried out measurement as well as the configuration parameters.



M-Bus



**CODICI DI ORDINAZIONE
ORDERING CODE**

IF96013

comunicazione M-Bus / M-Bus communication

COMUNICAZIONE M-Bus

Isolata galvanicamente da ingressi misura e alimentazione (Nemo 96HD/HD+)

Standard: EN1434-3

Trasmissione: asincrona seriale

Numero bit: 8

Bit di stop: 1

PARAMETRI PROGRAMMABILI

Velocità trasmissione: 300 - 600 - 1.200 - 2.400 - 4.800 - 9.600 bit/s

N° indirizzo primario: 0...250

N° indirizzo secondario: 0...99.999.999

Bit di parità: nessuna - pari - dispari

ALIMENTAZIONE AUSILIARIA

Valori riferiti all'abbinamento strumento multifunzione Nemo 96HD/HD+ e interfaccia IF96013

Autoconsumo: ≤ 5VA

ISOLAMENTO

(EN61010)

Valori riferiti all'abbinamento strumento multifunzione Nemo 96HD/HD+ e interfaccia IF96013

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

Circuiti considerati: ingresso misura, alimentazione ausiliaria, comunicazione RS485

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

M-Bus COMMUNICATION

Galvanically insulated from input and aux. supply (Nemo 96HD/HD+)

Standard: EN1434-3

Transmission: serial asynchronous

Bit number: 8

Stop bit: 1

PROGRAMMABLE PARAMETERS

Baud rate: 300 - 600 - 1.200 - 2.400 - 4.800 - 9.600 bit/s

Primary address number : 0...250

Secondary address number : 0...99.999.999

Parity bit: none - even - odd

AUXILIARY SUPPLY

Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96013 interface

Rated burden: ≤ 5VA

INSULATION

(EN61010)

Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96013 interface

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

Considered circuits: measure, aux. supply, RS485 communication

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

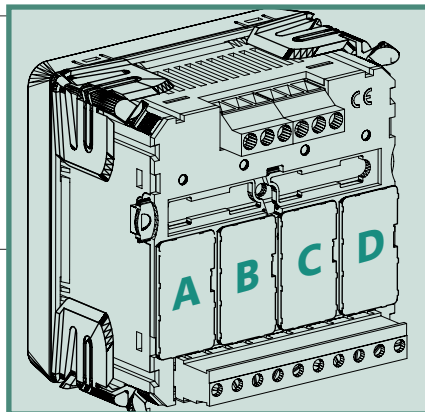
Housing material: self-extinguishing polycarbonate

Weight: 30 grams

CODICE CODE	DESCRIZIONE DESCRIPTION	N. MASSIMO N. MAX.	POSIZIONE POSITION				VERSIONE ¹ FIRMWARE ¹
			A	B	C	D	
IF96013	Comunicazione M-Bus M-Bus communication	1	•				V 2.08 da / from

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.



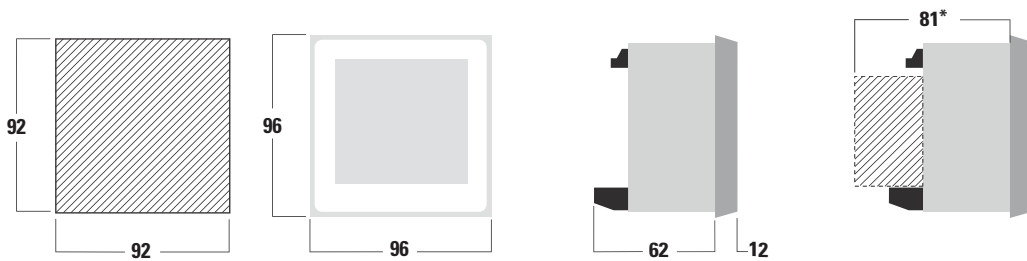
¹ **FIRMWARE VERSION:** on the table it is shown the firmware version of the meter which is necessary to support the function of the extra module.

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'INSERIZIONE WIRING DIAGRAM



DIMENSIONI DIMENSIONS



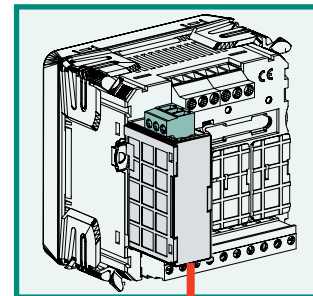
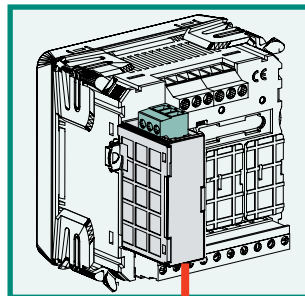
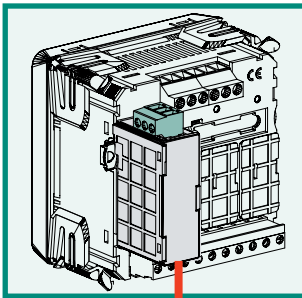
Interface de communication M-Bus pour Nemo 96HD/HD+

Le module IF96013, raccordé aux centrales de mesure type Nemo 96HD/HD+ permet de récupérer par communication M-Bus les mesures effectuées ainsi que les paramètres de configuration

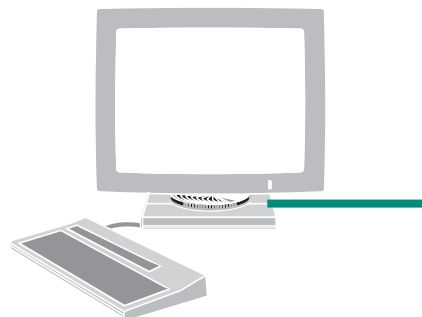
Interface M-Bus communication for Nemo 96HD/HD+

Module IF96013 combined with meters of Nemo 96HD/HD+ series makes available, by M-Bus communication, the data relevant to carried out measurement as well as the configuration parameters.

Nemo MD



M-Bus



REFERENCE ORDERING CODE	
9017 6038	Communication M-Bus / M-Bus communication

COMMUNICATION M-Bus

Isolée galvaniquement de l'entrée et de l'alim. aux. (Nemo 96HD/HD+)

Standard: EN1434-3

Transmission: asynchrone série

Nombre de bit: 8

Bit de stop: 1

PARAMETRES PROGRAMMABLES

Vitesse de transmission: 300 - 600 - 1.200 - 2.400 - 4.800 - 9.600 bit/s

N° d'adresses primaires: 0...250

N° d'adresses secondaires: 0...99.999.999

Bit de parité: sans - pair - impair

ALIMENTATION AUXILIAIRE

Valeur référée à la combinaison du NEMO 96HD/HD+ et module IF96013

Autoconsommation : ≤ 5VA

ISOLATION

(EN61010)

Valeur référée à la combinaison du NEMO 96HD/HD+ et module IF96013

Tension d'essai 2 kV R.M.S. 50Hz/1min

Circuits considérés : entrée mesure, alimentation auxiliaire, communication RS485

BOÎTIER

Boîtier : module avec connecteur pour le raccordement sur le Nemo 96HD/HD+

Profondeur max.: 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

M-Bus COMMUNICATION

Galvanically insulated from input and aux. supply (Nemo 96HD/HD+)

Standard: EN1434-3

Transmission: serial asynchronous

Bit number: 8

Stop bit: 1

PROGRAMMABLE PARAMETERS

Baud rate: 300 - 600 - 1.200 - 2.400 - 4.800 - 9.600 bit/s

Primary address number: 0...250

Secondary address number: 0...99.999.999

Parity bit: none - even - odd

AUXILIARY SUPPLY

Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96013 interface

Rated burden: ≤ 5VA

INSULATION

(EN61010)

Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96013 interface

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

Considered circuits: measure, aux. supply, RS485 communication

HOUSING

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

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

Connections: screw terminals

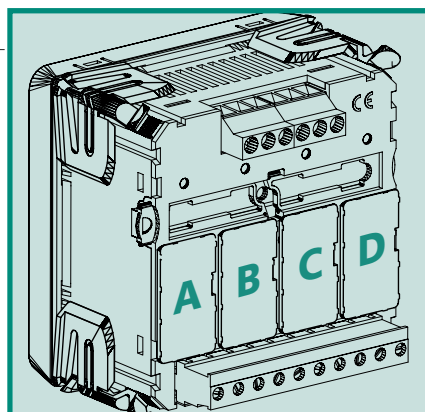
Terminals range: rigid cable max. 4,5mm², flexible cable max. 2,4mm²

Housing material: self-extinguishing polycarbonate

Weight: 30 grams

Référence CODE	DESCRIPTION DESCRIPTION	N. max. N. MAX.	POSITION POSITION				VERSION FIRMWARE'
			A	B	C	D	
IF96013	Communication M-Bus M-Bus communication	1	●				V 2.08 à partir de / from

'VERSION FIRMWARE-Version : sur le tableau figure la version firmware de la centrale de mesure 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.



'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 DE RACCORDEMENT *WIRING DIAGRAM*



DIMENSIONS *DIMENSIONS*

