

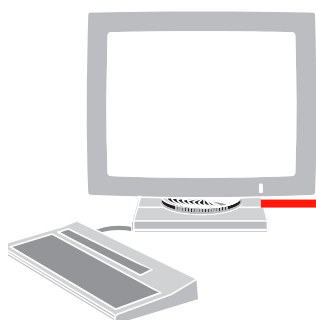
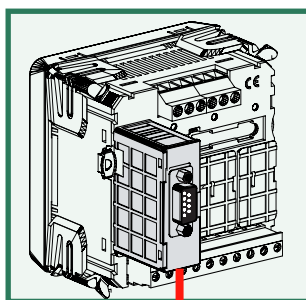
Interfaccia Comunicazione RS232 per Nemo 96HD/HD+

Il modulo **IF96002** abbinato a strumenti della serie **Nemo 96HD/HD+** ne rende disponibili tramite comunicazione **RS232** tutti i dati riguardanti le misure effettuate ed i parametri di configurazione

Interface RS232 communication for Nemo 96HD/HD+

Module **IF96002** combined with meters of **Nemo 96HD/HD+** series makes available, by **RS232** communication, all the data relevant to carried out measurement as well as the configuration parameters.

Nemo MD



RS232

CODICI DI ORDINAZIONE ORDERING CODE	
IF96002	comunicazione RS232 / RS232 communication

COMUNICAZIONE RS232

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

Standard: RS232 - 3 fili

Trasmissione: asincrona seriale

Protocollo: compatibile JBUS/MODBUS

Numero bit: 8

Bit di stop: 1

Tempo di risposta a interrogazione: $\leq 200\text{ms}$

Distanza massima dal supervisore: 10m

PARAMETRI PROGRAMMABILI

N° indirizzo: 1...255

Velocità trasmissione: 4.800 - 9.600 - 19.200 - 38.400¹ bit/s

¹38.400 : solo per Nemo 96HD / HD+

Bit di parità: nessuna - pari - dispari

ALIMENTAZIONE AUSILIARIA

Valori riferiti all'abbinamento strumento multifunzione Nemo 96HD/HD+ e interfaccia IF96002

Autoconsumo: $\leq 5\text{VA}$

ISOLAMENTO

(EN61010)

Valori riferiti all'abbinamento strumento multifunzione Nemo 96HD/HD+ e interfaccia IF96002

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

Circuiti considerati: ingresso misura, alimentazione ausiliaria, comunicazione RS232

CUSTODIA

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

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

Connessioni: connettore 9 pin

Materiale custodia: policarbonato autoestinguente

Peso: 50 grammi

RS232 COMMUNICATION

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

Standard: RS232 - 3-wire

Transmission: serial asynchronous

Protocol: compatible JBUS/MODBUS

Bit number: 8

Stop bit: 1

Required response time to request: $\leq 200\text{ms}$

Highest distance from supervisor: 10m

PROGRAMMABLE PARAMETERS

Address: 1...255

Baud rate: 4.800 - 9.600 - 19.200 - 38.400¹ bit/s

¹38.400 : only for Nemo 96HD / HD+

Parity bit: none - even - odd

AUXILIARY SUPPLY

Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96002 interface

Rated burden: $\leq 5\text{VA}$

INSULATION

(EN61010)

Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96002 interface

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

Considered circuits: measure, aux. supply, RS232 communication

HOUSING

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

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

Connections: 9 pins connector

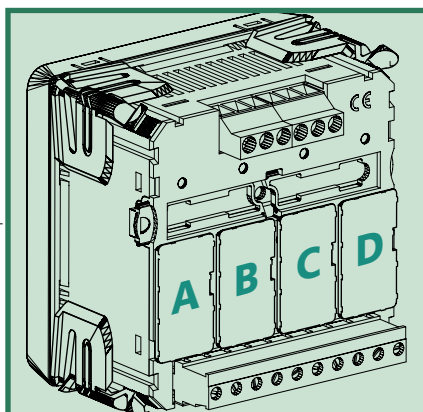
Housing material: self-extinguishing polycarbonate

Weight: 50 grams

CODICE CODE	DESCRIZIONE DESCRIPTION	N. MASSIMO N. MAX.	POSIZIONE POSITION				VERSIONE ¹ FIRMWARE ¹
			A	B	C	D	
IF96002	Comunicazione RS232 RS232 communication	1	•				Tutte All

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

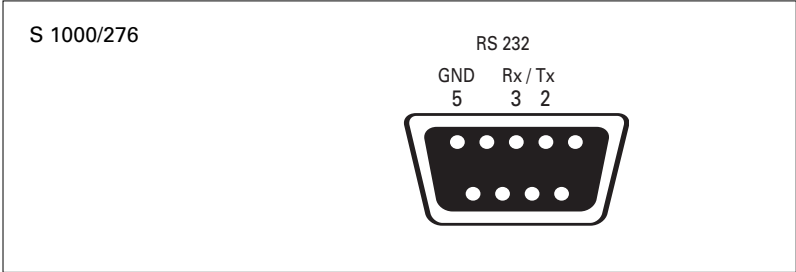
Utilizzando un modulo comunicazione IF96001 (RS485) o IF96002 (RS232) è possibile aggiornare la versione firmware direttamente in campo, con l'ausilio di un PC e del software necessario.



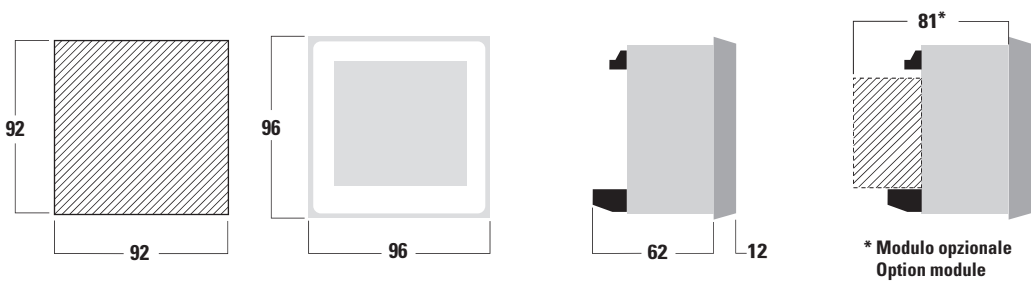
¹FIRMWARE VERSION: on the table it is shown the firmware version of the meter which is necessary to support the function of the extra module.

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

SCHEMA D'INSERZIONE WIRING DIAGRAM



DIMENSIONI DIMENSIONS



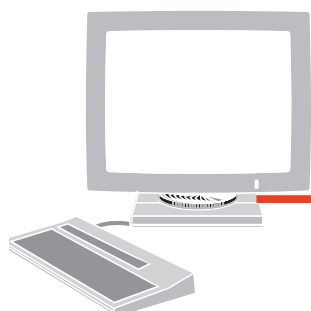
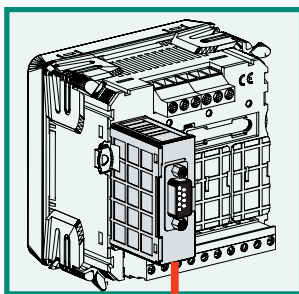
Interface de communication RS232 pour Nemo 96HD/HD+

Le module IF96002, raccordé aux centrales de mesure type **Nemo 96HD/HD+**, permet de récupérer, par communication **RS232** toutes les mesures effectuées ainsi que les paramètres de configuration.

Interface RS232 communication for Nemo 96HD/HD+

Module **IF96002** combined with meters of **Nemo 96HD/HD+** series makes available, by **RS232** communication, all the data relevant to carried out measurement as well as the configuration parameters.

Nemo MD



RS232

REFERENCE ORDERING CODE		
9017 6042	communication RS232 / RS232 communication	

COMMUNICATION RS232

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

Standard: RS232 - 3 fils

Transmission: asynchrone série

Protocole: compatible JBUS/MODBUS

Nombre de bit: 8

Bit de stop: 1

Temps de réponse à l'interrogation: ≤ 200ms

Distance max. du superviseur: 10m

PARAMETRES PROGRAMMABLES

N° adresse: 1...255

Vitesse de transmission: 4.800 - 9.600 - 19.200 - 38.400* bit/s

*38.400 : uniquement pour Nemo 96HD/HD+

Bit de parité: sans - pair - impair

ALIMENTATION AUXILIAIRE

Valeur référée à la combinaison du NEMO 96HD/HD+ et interface IF96002

Autoconsommation: ≤ 5VA

ISOLEMENT

(EN61010)

Valeur référée à la combinaison du NEMO 96HD/HD+ et interface IF96002

Tension d'essai 2 kV valeur efficace 50Hz/1min

Circuits considérés: entrée mesure, alimentation auxiliaire, communication RS232

BOITIER

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

Profondeur maximum: 81mm (Nemo 96HD/HD+ et module)

Raccordement: connecteur 9 pins

Matériau du boîtier: polycarbonate autoextinguible

Poids: 50 grammes

RS232 COMMUNICATION

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

Standard: RS232 - 3-wire

Transmission: serial asynchronous

Protocol: compatible JBUS/MODBUS

Bit number: 8

Stop bit: 1

Required response time to request: ≤ 200ms

Highest distance from supervisor: 10m

PROGRAMMABLE PARAMETERS

Address: 1...255

Baud rate: 4.800 - 9.600 - 19.200 - 38.400* bit/s

*38.400 : only for Nemo 96HD/HD+

Parity bit: none - even - odd

AUXILIARY SUPPLY

Value referred to combination Nemo 96HD/HD+ multifunction meters and IF96002 interface

Rated burden: ≤ 5VA

INSULATION

(EN61010)

Value referred to combination Nemo 96HD/HD+ multifunction meters + IF96002 interface

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

Considered circuits: measure, aux. supply, RS232 communication

HOUSING

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

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

Connections: 9 pins connector

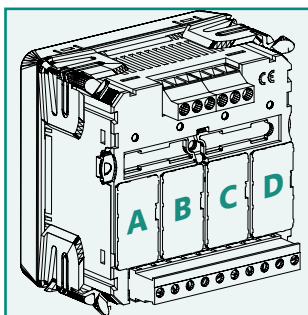
Housing material: self-extinguishing polycarbonate

Weight: 50 grams

CODE	DESCRIPTION	N.MAX	POSITION				VERSION ¹ FIRMWARE ¹
			A	B	C	D	
9017 6042	Communication RS232 RS232 communication	1	●				Toute All

¹VERSION FIRMWARE : sur le tableau figure la version firmware de la centrale nécessaire pour supporter la fonction du module supplémentaire.

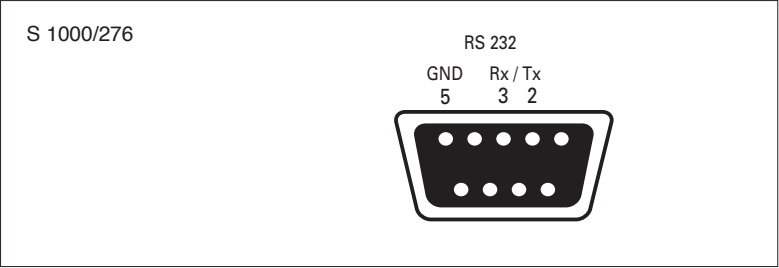
En utilisant un module de communication IF96001 (RS485) ou IF96002 (RS232), il est possible de mettre à jour la version firmware directement en façade, à l'aide d'un PC et du logiciel approprié.



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

