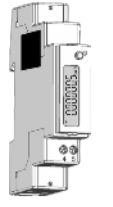


UEC40 UEM40

- EN - USER MANUAL DE - BEDIENUNGSLEITUNG IT - MANUALE D'USO FR - NOTICE D'EMPLOI ES - MANUAL DEL USUARIO



Subject to change without prior notice / Änderungen vorbehalten / Soggetto a modifiche senza preavviso / Susceptible de modificaciones sin previo aviso

EN - 40A SINGLE PHASE ENERGY METER. The communication protocols and the relevant softwares are available at www.algode.com. WARNING! Device installation, wiring configuration and terminal cover sealing must be carried out only by qualified professional staff. SWITCH OFF THE VOLTAGE BEFORE DEVICE INSTALLATION.

DE - 40A EINPHASIGER ENERGIEZÄHLER. Die Kommunikationsprotokolle und entsprechenden Software sind in der Website www.algode.com erhältlich. ACHTUNG! Geräte-Installation, Verdrahtung und Klemmenabdeckung Dicht dürfen nur durch qualifiziertes Fachpersonal durchgeführt werden. Vor jeder Tätigkeit am Gerät muß die Versorgung getrennt werden.

IT - CONTATORE DI ENERGIA 40A MONOFASE. I protocolli di comunicazione e i software relativi sono disponibili sul sito www.algode.com. ATTENZIONE! L'installazione, la configurazione del circuito in cui è inserito il dispositivo e la sigillatura dei coprimorsetti deve essere eseguita da figure professionalmente qualificate. Togliere la tensione prima di intervenire sullo strumento.

FR - COMPTEUR D'ENERGIE MONOPHASE 40A. Les protocoles de communication et les logiciels associés sont disponibles sur www.algode.com. ATTENTION! La mise en service de l'appareil, la configuration du raccordement et le plombage des caches bornes ne doivent être effectués que par du personnel qualifié. L'arrivée en tension doit être interrompue avant toute action sur l'appareil.

ES - CONTADOR DE ENERGÍA 40A MONOFÁSICO. Los protocolos de comunicación y los softwares relacionados están disponibles en el sitio www.algode.com. ¡ATENCIÓN! La instalación, la configuración del circuito donde se inserta el instrumento y el sellado de los cubrerbornes deben ser realizados por profesionales cualificados. Desconectar la tensión antes de intervenir en el instrumento.

AVAILABLE MODELS table. Columns: Name, Model, COM port, Nominal voltage, frequency, Available wiring, SO output. Models include UEC40-2C, UEM40-2C M, UEM40-2C R, and UEM40-2C R.

VERFÜGBARE AUSFÜHRUNGEN table. Columns: Name, Modell, COM-Port, Nennspannung, Frequenz, Verfügbare Anschluß, SO Ausgang. Models include UEC40-2C, UEM40-2C M, UEM40-2C R, and UEM40-2C R.

MODELLI DISPONIBILI table. Columns: Nome, Modello, Porta COM, Tensione nom., frequenza, Inserzione possibile, Uscita SO. Models include UEC40-2C, UEM40-2C M, UEM40-2C R, and UEM40-2C R.

MODELES DISPONIBLES table. Columns: Nom, Modèle, Port COM, Tensione nom., fréquence, Raccordement possible, 1.2.1, Sortie SO. Models include UEC40-2C, UEM40-2C M, UEM40-2C R, and UEM40-2C R.

MODELOS DISPONIBLES table. Columns: Nombre, Modelo, Puerto COM, Tensión nom., frecuencia, Conexión posible, 1.2.1, Salida SO. Models include UEC40-2C, UEM40-2C M, UEM40-2C R, and UEM40-2C R.

OVERVIEW. Refers to picture B. 1. Neutral terminals, 2. Metrológico LED, 3. Multifunction key, 4. Backlight LCD display, 5. SO output terminals, 6. Current and voltage terminals, 7. Current and voltage terminals.

VERFÜGBARE AUSFÜHRUNGEN. Siehe Bild B. 1. Neutralterminals, 2. Messtechnische LED, 3. Grundstromwert (Max Strom), 4. LCD Display Hintergrundbeleuchtung, 5. SO Ausgangsterminal, 6. Strom- und Spannungsklemmen, 7. Strom- und Spannungsklemmen.

PANORAMICA. Vedere figura B. 1. Morsetti di neutro, 2. LED metrologico, 3. Tasto multifunzione, 4. Display LCD retroilluminato, 5. Morsetti uscita SO, 6. Morsetti di corrente e tensione, 7. Sigillo anti-falsificazione su ogni lato (NON RIMOVERE).

VEU D'ENSEMBLE. Voir la figure B. 1. Bornes de neutre, 2. LED métrologique, 3. Touche multifonction, 4. Panneau LCD rétro-éclairé, 5. Bornes sortie SO, 6. Bornes de courant et tension, 7. Sello anti-falsificación en chaque côté (NE PAS ENLEVER).

VISIÓN GENERAL. Ver figura B. 1. Bornes de neutro, 2. LED metrológico, 3. Tacto multifunción, 4. Pantalla LCD retroiluminada, 5. Bornes salida SO, 6. Bornes de corriente y tensión, 7. Sello anti-falsificación en ambos lados (NO QUITAR).

PICTURE/ABBILDEN/FIGURA/FIGURE/IMAGEN

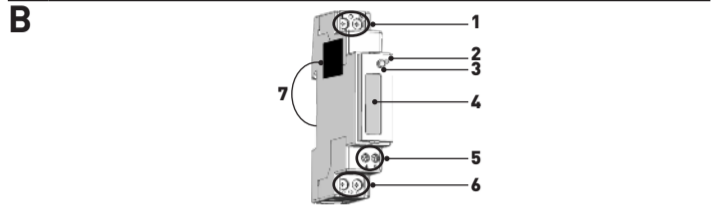
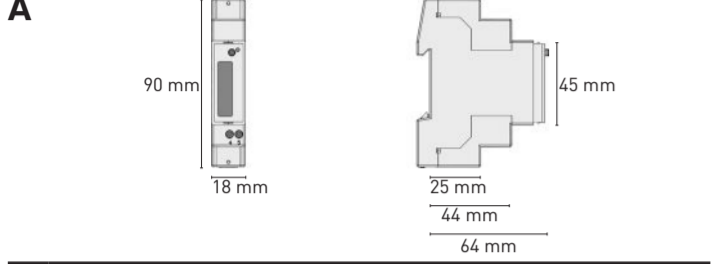
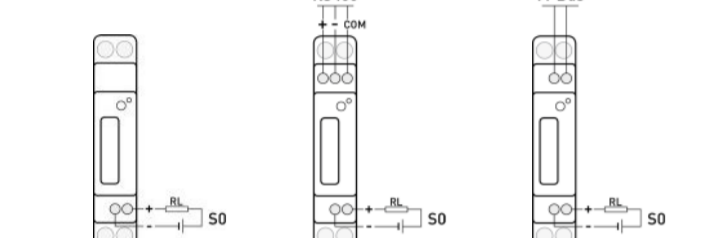


Table with 3 columns: PULSE, RS485 MODBUS, M-BUS. Shows connection points for each mode.



SYMBOLS ON FRONT PANEL (EXAMPLE). Refers to picture D. A. Meter constant (metrológico LED), B. Base current (max current), C. Nominal voltage/frequency, D. Wiring type, Iphase 2wires 1current, E. Protection class, F. Serial number, G. MID approval symbol, H. Type approval certification, I. Accuracy class, J. Working temperature, K. Device name.

SYMBOLS ON FRONT/FRONTSEITE (BEISPIELE). Siehe Bild D. A. Integrationskonstante (Messtechnische LED), B. Grundstromwert (Max Strom), C. Nennspannung/Frequenz, D. Anschlußbild, Iphase 2Leiter 1Strom, E. Schutzart, F. Seriennummer, G. MID Eichung Symbol, H. Zertifiziertes Approbationsnummer, I. Genauigkeitsklasse, J. Arbeitstemperaturbereich, K. Device name.

SIMBOLGIA SUL PANNELLO FRONTALE (ESEMPIO). Voir la figure D. A. Constante d'intégration (LED métrologique), B. Courant base (courant max), C. Tension/fréquence nominale, D. Type de connexion, Iphase 2fils 1courant, E. Indice de protection, F. Numéro de série, G. Symbole homologation MID, H. Certificat d'approbation du type, I. Classe de précision, J. Température de fonctionnement, K. Nom de l'appareil.

SYMBOLES SUR LA FACE AVANT (EXEMPLE). Voir la figure D. A. Constante d'intégration (LED métrologique), B. Courant base (courant max), C. Tension/fréquence nominale, D. Type de connexion, Iphase 2fils 1courant, E. Classe de protection, F. Numéro de série, G. Symboles homologation MID, H. Certificat d'approbation du type, I. Classe de précision, J. Température de fonctionnement, K. Nom de l'appareil.

SÍMBOLOS EN EL PANEL FRONTAL (EJEMPLO). Ver figura D. A. Constante de integración (LED metrológico), B. Corriente base (corriente máx), C. Tensión/frecuencia nominal, D. Datos de conexión, Iphase 2hilos 1corriente, E. Clase de protección, F. Número de serie, G. Símbolos de aprobación MID, H. Certificado de aprobación del tipo, I. Clase de precisión, J. Temperatura de funcionamiento, K. Nombre del instrumento.

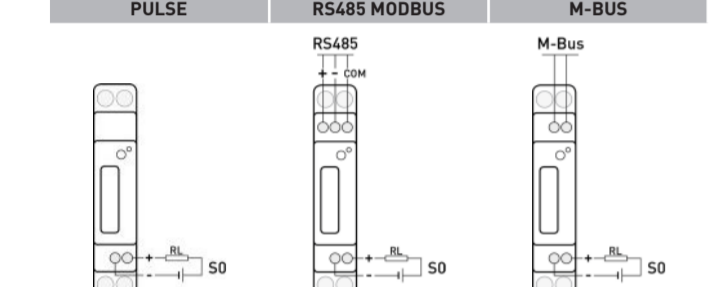
RS485 PORT. The RS485 port is available according to the device model. The RS485 port allows to manage the device by MODBUS RTU/ASCII protocol. For device network connection, install a terminal resistance (RT=120...150 Oh) on the RS485 converter side and another one on the last device connected on the line.

RS485 SCHNITTSTELLE. Die RS485 Schnittstelle ist je nach Gerätetyp vorhanden. Die RS485 Schnittstelle dient zur lokalen oder Fernverwaltung mit einem MODBUS RTU/ASCII Protokoll. In einem Gerätebauelement soll einen Endwiderstand (RT=120...150 Oh) an der RS485 Wandlersseite und einen anderen an dem letzten im Netz angeschlossenen Gerät angeschlossen werden.

PORTA RS485. La porta RS485 è disponibile a seconda del modello di dispositivo. La porta RS485 consente la gestione del dispositivo tramite protocollo MODBUS RTU/ASCII. Per il collegamento del dispositivo alla rete, montare una resistenza di terminazione (RT=120...150 Oh) sul lato del convertitore RS485 e sull'ultimo dispositivo connesso alla linea.

PORT RS485. Le port RS485 est disponible selon le modèle de l'appareil. Le port RS485 permet de gérer l'appareil par le protocole MODBUS RTU/ASCII. Pour le raccordement de l'appareil au réseau, installer une résistance de terminaison (RT=120...150 Oh) à côté du convertisseur RS485 et sur le dernier appareil connecté au réseau.

PUERTO RS485. El puerto RS485 está disponible según el modelo de instrumento. El puerto RS485 permite la gestión del instrumento mediante protocolo MODBUS RTU/ASCII. Para la conexión del instrumento a la red, montar una resistencia de terminación (RT=120...150 Oh) del lado del convertidor RS485 y en el último instrumento conectado a la línea.



M-BUS PORT. The M-BUS port is available according to the device model. The M-BUS port allows to manage the device by M-BUS protocol. A master interface is required between PC and the M-Bus network to adapt RS232/USB port to network.

M-BUS SCHNITTSTELLE. Die M-BUS Schnittstelle ist je nach Gerätetyp vorhanden. Die M-BUS-Schnittstelle erlaubt es, das Gerät mit M-BUS-Protokoll zu verwalten. Zwischen PC und M-Bus Netzwerk ist ein Masterschnittstelle zur Anpassung der RS232/USB zum M-Bus Netzwerk erforderlich.

PORTA M-BUS. La porta M-BUS è disponibile a seconda del modello di dispositivo. La porta M-BUS consente la gestione del dispositivo tramite protocollo M-Bus. Tra il PC e la rete M-Bus è richiesta un'interfaccia master per adattare la porta RS232/USB alla rete.

PORT M-BUS. Le port M-BUS est disponible selon le modèle de l'appareil. Le port M-BUS permet de gérer l'appareil par le protocole M-Bus. Entre le PC et le réseau M-Bus, il est nécessaire d'installer une interface master pour adapter le port RS232/USB au réseau.

PUERTO M-BUS. El puerto M-BUS está disponible según el modelo de instrumento. El puerto M-Bus permite la gestión del instrumento mediante protocolo M-Bus. Entre el PC y la red M-Bus se requiere una interfaz master para adaptar el puerto RS232/USB a la red.

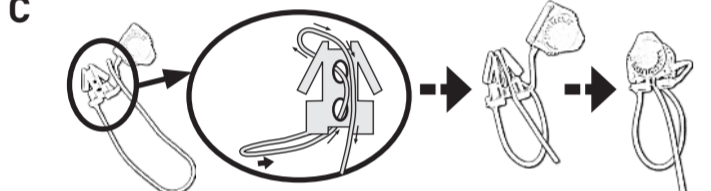
WIRING DIAGRAM. It is suggested to install a low power switch or some fuses on the voltage inputs for protection and in order to operate on the instrument without deactivating the plant.

ANSCHLUSSBLIND. Es ist suggested to install a low power switch or some fuses on the voltage inputs for protection and in order to operate on the instrument without deactivating the plant.

SCHEMA D'INSERZIONE. Si consiglia di installare un sezionatore di bassa potenza o dei fusibili sugli ingressi di tensione per protezione ed al fine di poter eseguire interventi sullo strumento senza necessità di disattivare l'impianto.

RACCOMENDATION. On conseille d'installer un sectionneur de faible puissance ou des fusibles sur les entrées de tension pour protection et pour intervenir sur l'appareil sans déconnecter le système électrique.

ESQUEMA DE CONEXIÓN. Se recomienda instalar un seccionador de baja potencia o fusibles en las entradas de tensión, con función de protección y para permitir intervenciones en el instrumento sin necesidad de desactivar la instalación.



SYMBOLS ON DISPLAY. Refers to picture H. 1. Imported (-), exported (+) real time or energy value, 2. Capacitive or inductive value, 3. Main area, in case of Code XX: real-time parameters corrupted, 4. Stand of active status, 5. Measurement unit area, 6. Partial counter value, 7. Communication active status.

ANZEIGENSYMBOLE. Vor dem Anmachen des Produktes sollen alle Anschlüsse überprüft werden, damit die Ordnungsmäßigkeit überprüft wird. Aufpassen, dass alle Strom- und Spannungsleitungen richtig angeschlossen sind.

SIMBOLGIA A DISPLAY. Prima di alimentare lo strumento, verificare che tutti collegamenti siano corretti. Assicurarsi che i morsetti di misura per la tensione e la corrente siano collegati correttamente.

SYMBOLES SUR L'AFFICHEUR. Avant d'allumer l'appareil, vérifier si les connexions sont correctes. S'assurer que les bornes de mesure pour la tension et le courant sont raccordés correctement.

SÍMBOLOS EN PANTALLA. Antes de alimentar el instrumento, comprobar que todas las conexiones sean correctas. Asegurarse de que los bornes de medición de la tensión y la corriente estén conectados correctamente.

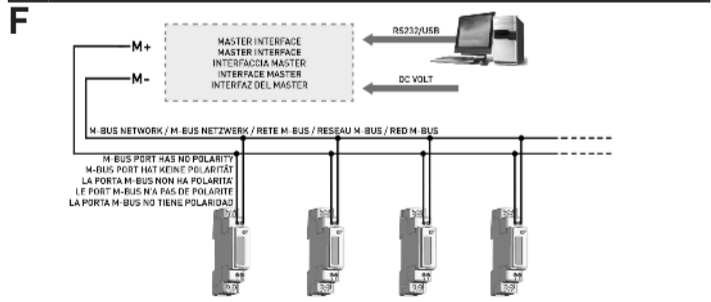
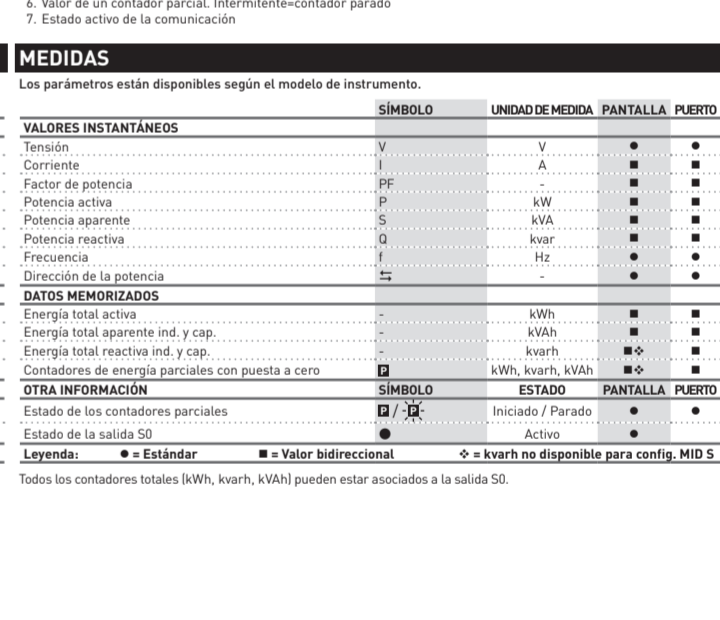
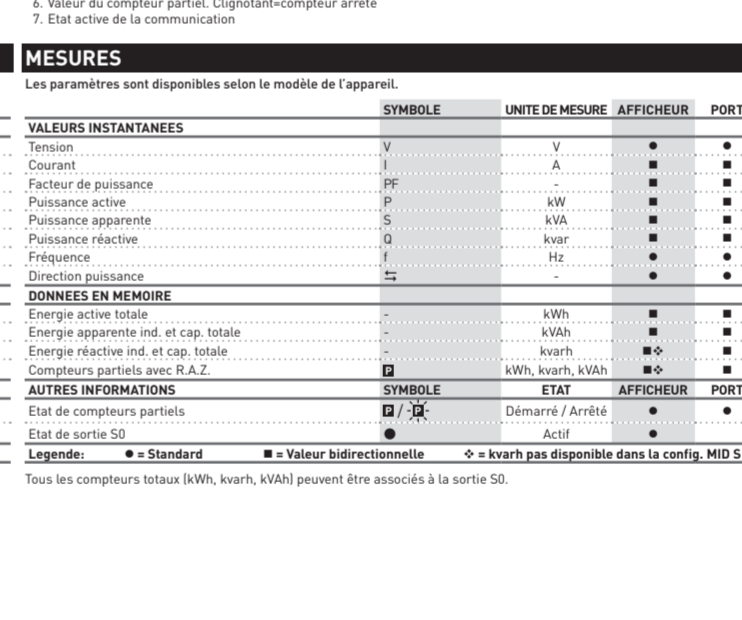
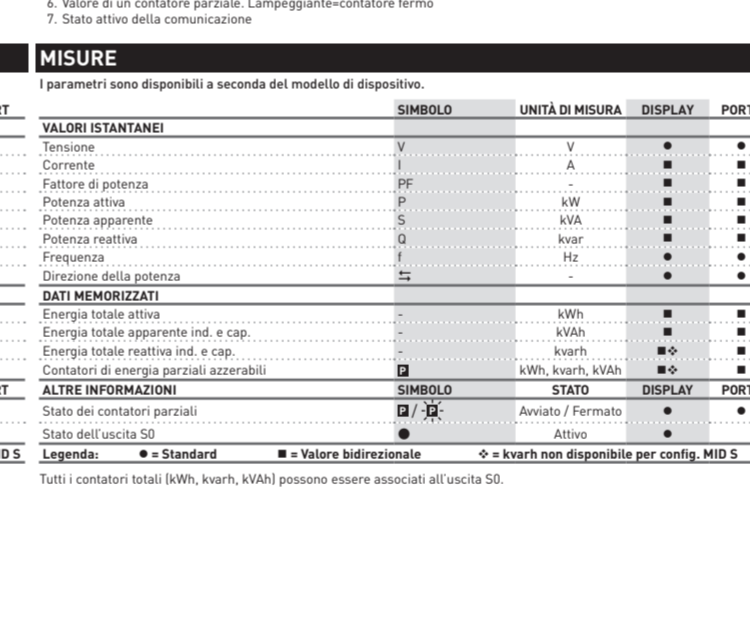
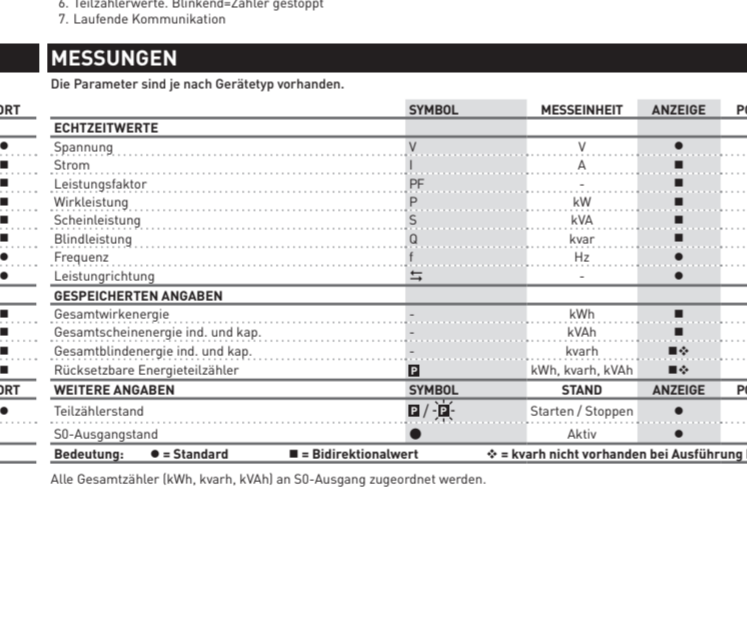
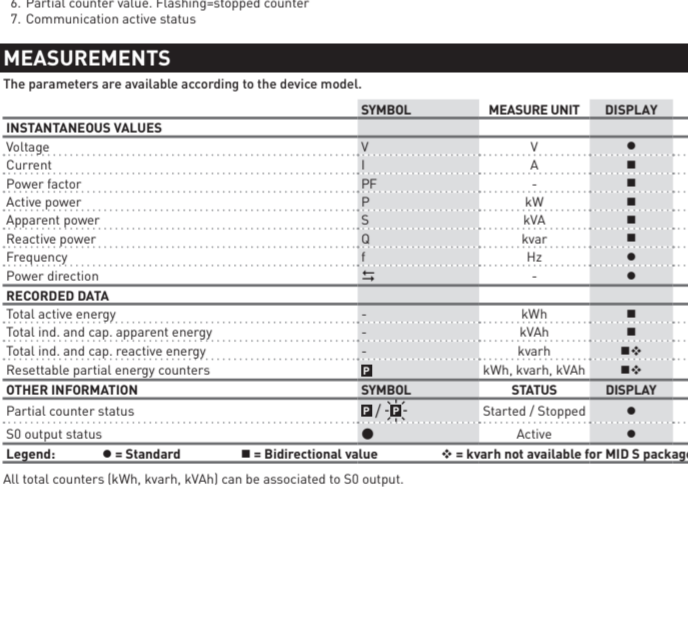
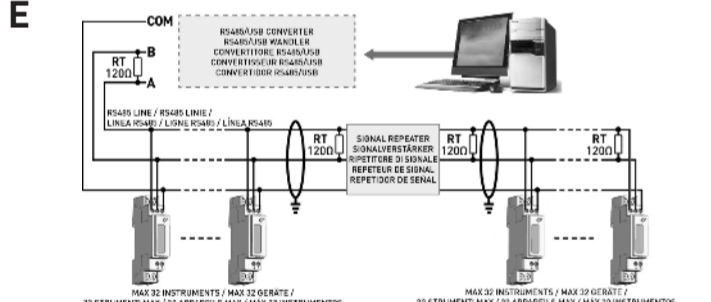
MEASUREMENTS. The parameters are available according to the device model. Table with columns: SYMBOL, MEASURE UNIT, DISPLAY, PORT. Categories: INSTANTANEOUS VALUES, RECORDED DATA, OTHER INFORMATION.

MESSUNGEN. Die Parameter sind je nach Gerätetyp vorhanden. Table with columns: SYMBOL, MESSEINHEIT, ANZEIGE, PORT. Categories: ECHTZEITWERTE, GESPEICHERTE ANGABEN, WEITERE ANGABEN.

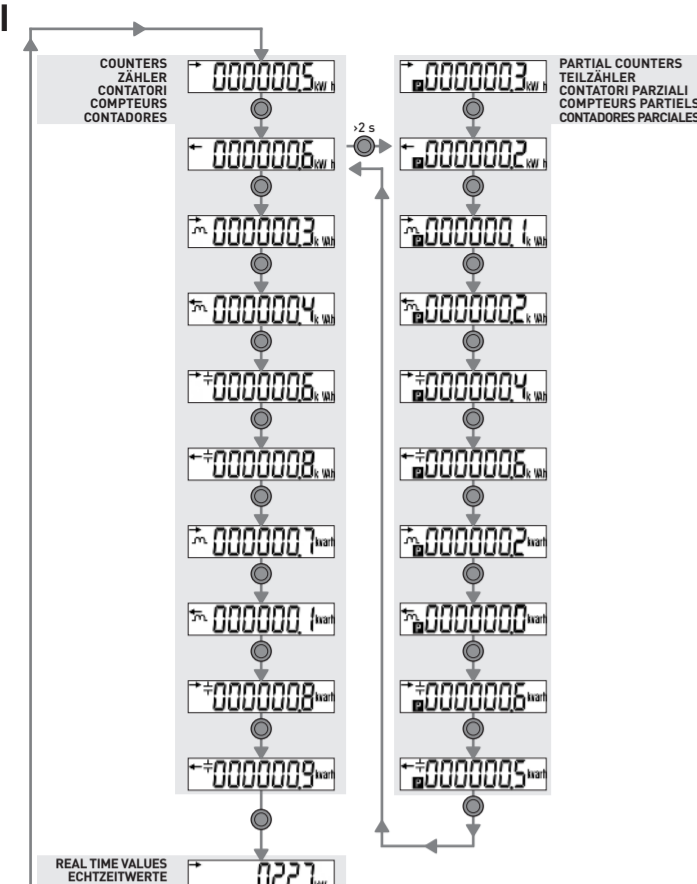
MISURE. I parametri sono disponibili a seconda del modello di dispositivo. Table with columns: SIMBOLO, UNITÀ DI MISURA, DISPLAY, PORTA. Categories: VALORI ISTANTANEI, DATI MEMORIZZATI, ALTRE INFORMAZIONI.

MESURES. Les paramètres sont disponibles selon le modèle de l'appareil. Table with columns: SYMBOLE, UNITE DE MESURE, AFFICHEUR, PORT. Categories: VALEURS INSTANTANÉES, DONNÉES EN MEMOIRE, AUTRES INFORMATIONS.

MEDIDAS. Los parámetros están disponibles según el modelo de instrumento. Table with columns: SÍMBOLO, UNIDAD DE MEDIDA, PANTALLA, PUERTO. Categories: VALORES INSTANTÁNEOS, DATOS MEMORIZADOS, OTRA INFORMACIÓN.



PICTURE/ABBILDEN/FIGURA/FIGURE/IMAGEN



EN - 40A SINGLE PHASE ENERGY METER

Table with columns: HOW TO, WHERE, PRESS TIME. Rows include Scroll pages, Display the partial counter, Change function, Confirm the displayed function, Access Setup pages, etc.

PAGE STRUCTURE

The device can display pages of energy counters, real time values, setup and information (refer to picture II). Some pages can be different or unavailable according to the device model/package...

HOW TO START / STOP / RESET PARTIAL COUNTERS

- Features available only on partial counter pages. To start, stop or reset a partial counter, refer to the following procedures shown in picture J:

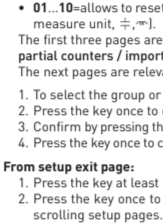
SETUP PAGES (picture K)

Some setup pages can be unavailable according to the device model/package. From any setup value page:

From partial counter reset page:

From energy counter reset page (only package RESET):

From setup exit page:



INFO PAGES (picture I)

Up to 3 pages can be displayed to show details about: 1. Metrological part firmware release, 2. Metrological part CRC, 3. Communication type.

TECHNICAL FEATURES

The technical features can change according to the device model.

Table with columns: GENERAL, POWER SUPPLY, CURRENT, ACCURACY, COMMUNICATION FOR RS485 MODBUS model, COMMUNICATION FOR M-BUS model, SO OUTPUT, METEOROLOGICAL LED, SAFETY ACCORDING TO EN 50470-1, ENVIRONMENTAL CONDITIONS, INTERNAL USE.

DE - 40A EINPHASIGER ENERGIEZÄHLER

Table with columns: FUNKTION, WIE LANGE. Rows include Scrollen blättern, Anzeige der zugeordneten Teilzähler, Funktion ändern, Bestätigung der angezeigten Funktion, Zugang zu den Einstellseiten, etc.

ANZEIGE REIHENFOLGE

Das Gerät wird Energiezähler, Echtzeitwerte, Programmierung und Info anzeigen (siehe Bild I). Einige Seiten können je nach Gerät/Ausführung unterschiedlich oder nicht vorhanden sein.

TEILZÄHLER STARTEN / SPERREN/RÜCKSETZEN

- Die Funktion ist nur bei der Teilzähleranzeige verfügbar. Um den Teilzähler zu starten, zu stoppen oder zurückzusetzen, befolgen Sie die folgenden Schritte im Bild J:

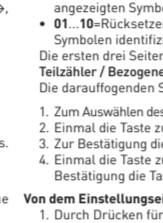
EINSTELLSEITEN (Bild K)

Einige Einstellseiten können je nach Gerättyp/Ausführung nicht vorhanden sein. Von jeder Einstellwertseite:

Von der Seite zum Teilzählerrücksetzen:

Von der Seite zum Energiezählerrücksetzen (nur Ausführung RESET):

Von den Einstellungsauflageausgängen:



INFO SEITEN (Bild I)

Bis zu 3 Seiten können vorhanden sein: 1. Rel. Firmware partei metrologica, 2. CRC partei metrologica, 3. Typo di comunicazione.

TECHNISCHE EIGENSCHAFTEN

Die technischen Eigenschaften ändern sich je nach Gerättyp.

Table with columns: ALLGEMEIN, HILFSPANNNUNG, STROM, GENAUIGKEIT, KOMMUNIKATION FÜR RS485 MODBUS Modell, KOMMUNIKATION FÜR M-BUS Modell, SO AUSGANG, METEOROLOGISCHE LEUCHTE, SICHERHEIT GEMÄß EN 50470-1, UMGEBUNGSBEDINGUNGEN, INTERNE ANWENDUNG.

IT - CONTATORE DI ENERGIA 40A MONOFASE

Table with columns: FUNZIONALITÀ, WIE LANGE. Rows include Scorrere le pagine, Visualizzare il contatore parziale, Visualizzare le funzioni disponibili, Cambiare funzione, Confermare la funzione visualizzata, etc.

STRUTTURA PAGINE

L'istrumento può visualizzare pagine di contatori di energia, valori istantanei, programmazione e informazione (vedere figura II). Alcune pagine potrebbero essere differenti o non essere disponibili a seconda del modello/configurazione del dispositivo.

AVVIARE / FERMARE / AZZERARE I CONTATORI PARZIALI

- Funzione disponibile solo sulle pagine dei contatori parziali. Per avviare, fermare o azzerare un contatore parziale, fare riferimento alle seguenti procedure mostrate in figura J:

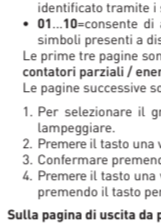
PAGINE PROGRAMMAZIONE (figura K)

Alcune pagine di programmazione potrebbero non essere disponibili a seconda del modello/configurazione del dispositivo. Su qualsiasi pagina con valori di programmazione:

Sulla pagina reset contatori parziali:

Sulla pagina reset contatori di energia (solo configurazione RESET):

Sulla pagina di uscita da programmazione:



PAGINE INFO (figura I)

Fino a 3 pagine visualizzabili con le informazioni seguenti: 1. Rel. firmware partei metrologica, 2. CRC partei metrologica, 3. Tipo di comunicazione.

CARATTERISTICHE TECNICHE

Le caratteristiche tecniche possono variare a seconda del modello di dispositivo.

Table with columns: GENERALI, ALIMENTAZIONE, CORRENTE, PRECISIONE, COMUNICAZIONE per modello RS485 MODBUS, COMUNICAZIONE per modello M-BUS, USCITA SO, METEOROLOGICO, SICUREZZA SECONDO EN 50470-1, CONDIZIONI AMBIENTALI, USO INTERNO.

FR - COMPTEUR D'ENERGIE MONOPHASE 40A

Table with columns: FONCTIONS, PRESSIONE. Rows include Faire défiler les pages, Afficher le compteur partiel, Afficher les fonctions disponibles, Changer la fonction, Confirmer la fonction affichée, etc.

STRUCTURE DES PAGES

L'instrument peut visualiser les pages des compteurs d'énergie, valeurs instantanées, programmation et information (voir la figure II). Certaines pages pourraient être différentes ou n'être pas disponibles selon le modèle/configuration de l'appareil.

DEMARRER / ARRÊTER / METTRE À ZÉRO LES COMPTEURS PARTIELS

- Fonction disponible seulement pour les pages des compteurs partiels. Pour démarrer, arrêter ou mettre à zéro un compteur partiel, se reporter aux procédures suivantes illustrées à la figure J:

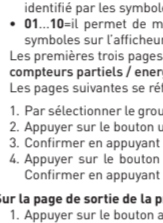
PAGES PROGRAMMATION (figure K)

Certaines pages de programmation pourraient ne pas être disponibles selon le modèle/configuration de l'appareil. Sur toutes les pages avec programmation:

Sur la page reset compteurs partiels:

Sur la page reset contadores de energia (seule configuration RESET):

Sur la page de sortie de la programmation:



PAGINAS INFORMACIÓN (figura I)

Hasta 3 páginas affichées, contenant les détails suivants: 1. Rel. firmware partei metrologica, 2. CRC partei metrologica, 3. Tipo de comunicación.

CARACTERÍSTICAS TÉCNICAS

Las características técnicas pueden variar según el modelo de instrumento.

Table with columns: GENERALES, ALIMENTACIÓN, CORRIENTE, PRECISIÓN, COMUNICACIÓN para modelo RS485 MODBUS, COMUNICACIÓN para modelo M-BUS, SALIDA SO, LED METEOROLÓGICO, SEGURIDAD SEGÚN EN 50470-1, CONDICIONES AMBIENTALES, USO INTERNO.

ES - CONTADOR DE ENERGÍA 40A MONOFÁSICO

Table with columns: FUNCIONES, PRESIÓN. Rows include Desplazar las páginas, Visualizar el contador parcial de energía, Visualizar las funciones disponibles, Cambiar función, Confirmar la función visualizada, etc.

ESTRUCTURA PÁGINAS

El instrumento puede visualizar páginas de contadores de energía, valores instantáneos, programación e información (ver figura II). Algunas páginas podrían ser diferentes o no estar disponibles según el modelo/configuración del instrumento.

INICIAR/PARAR/PONER A CERO LOS CONTADORES PARCIALES

- Función disponible sólo en las páginas de los contadores parciales. Para iniciar, parar o poner a cero un contador parcial, consulte los siguientes procedimientos que se muestran en la figura J:

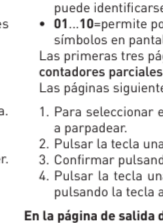
PÁGINAS PROGRAMACIÓN (figura K)

Algunas páginas de programación podrían no estar disponibles según el modelo/configuración del instrumento. En cualquier página con valores de programación:

En la página reset contadores parciales:

En la página reset contadores de energía (solo configuración RESET):

En la página de salida de la programación:



PAGINAS INFO (figura I)

Hasta 3 páginas visualizables con la información siguiente: 1. Rel. firmware partei metrologica, 2. CRC partei metrologica, 3. Tipo de comunicación.

CARACTERÍSTICAS TÉCNICAS

Las características técnicas pueden variar según el modelo de instrumento.

Table with columns: GENERALES, ALIMENTACIÓN, CORRIENTE, PRECISIÓN, COMUNICACIÓN para modelo RS485 MODBUS, COMUNICACIÓN para modelo M-BUS, SALIDA SO, LED METEOROLÓGICO, SEGURIDAD SEGÚN EN 50470-1, CONDICIONES AMBIENTALES, USO INTERNO.

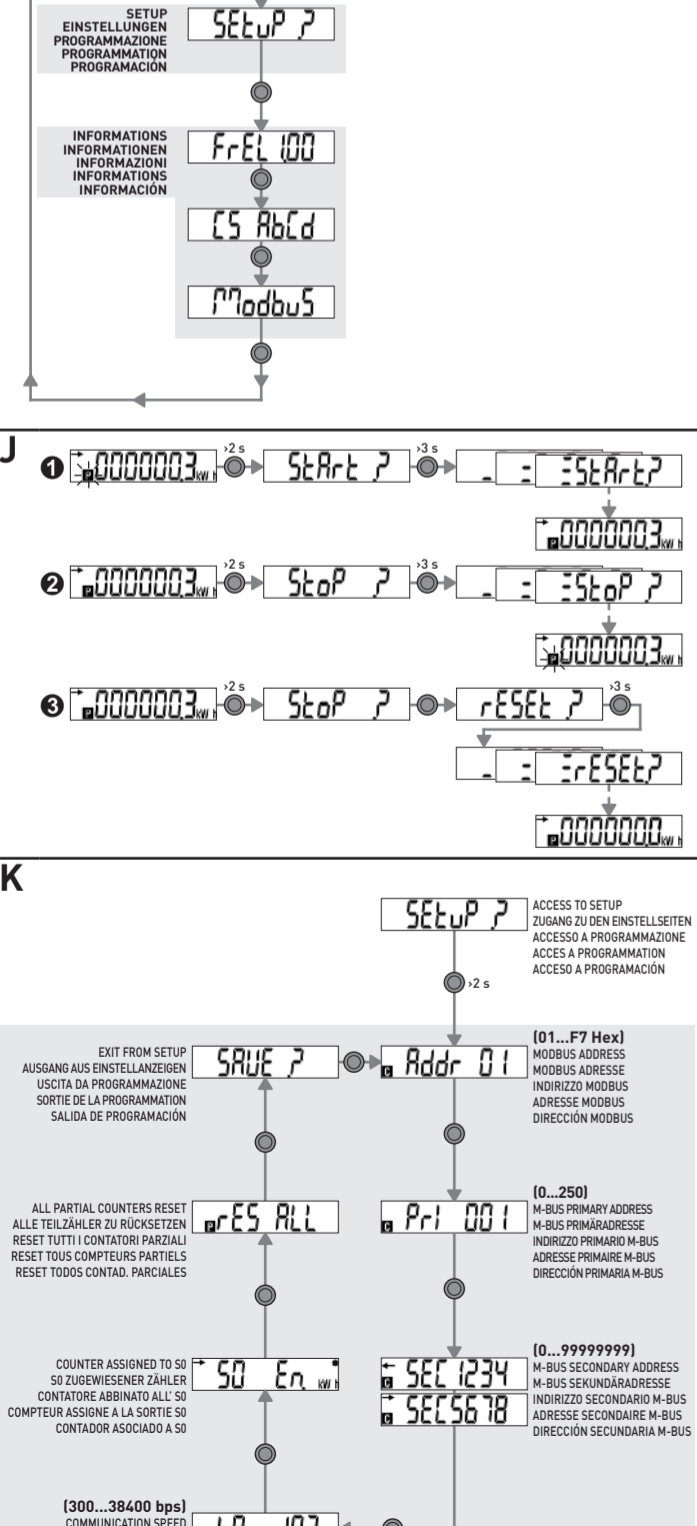


Table with columns: ACCESS TO SETUP, WIRE SECTION FOR TERMINALS AND FASTENING TORQUE, SAFETY ACCORDING TO EN 50470-1, ENVIRONMENTAL CONDITIONS, INTERNAL USE, MODBUS ADDRESS, M-BUS PRIMARY ADDRESS, M-BUS SECONDARY ADDRESS, COMMUNICATION SPEED.

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