



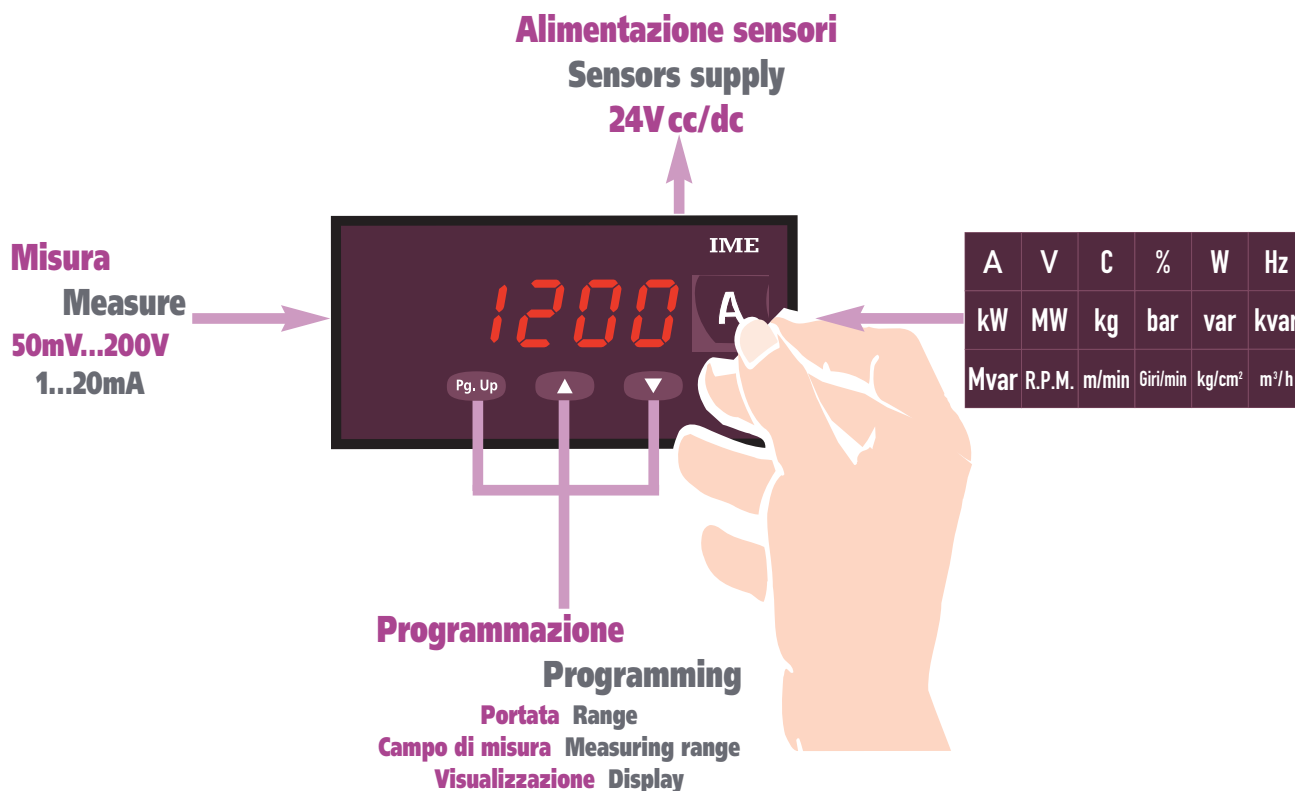
Indicatore digitale di tensione o corrente continua e pulsante 96x48 mm

Direct and pulsating voltage or current digital meter 96x48 mm

DG4P0

Misura e visualizzazione di tensione o
corrente continua e pulsante
Misura e visualizzazione di velocità,
da dinamo tachimetrica
Visualizzazione di qualsiasi grandezza
direttamente proporzionale alla tensione o
corrente di ingresso
5 portate d'ingresso $\pm 200\text{mV}$ / $\pm 20\text{V}$ /
 $\pm 200\text{V}$ / $\pm 20\text{mA}$ / $\pm 2\text{mA}$
Campo di misura programmabile
25...100% della portata
Visualizzazione programmabile
Memorizzazione valore massimo misurato
(azzerabile)
Uscita 24Vcc per alimentazione sensori
(temperatura, pressione, livello, ecc.)

To measure and display direct and
pulsating current or voltage
To measure and display speed, from
tachometer dynamo
Display of any proportional quantity
directly proportional to input
current or voltage
5 input ranges $\pm 200\text{mV}$ / $\pm 20\text{V}$ / $\pm 200\text{V}$ /
 $\pm 20\text{mA}$ / $\pm 2\text{mA}$
Programmable measuring range
25...100% of the range
Programmable display value
Storage of highest measured value
(resettable)
External sensor supply output 24Vdc
(temperature, pressure, level, etc.)



CODICE DI ORDINAZIONE ORDERING CODE	AL. AUSILIARIA AUX. SUPPLY		USCITA OUTPUT
	ca / ac	cc / dc	
DG4P01P2	24V	-	-
DG4P03P2	115V	-	
DG4P06P2	230V	-	
DG4P07P2	240V	-	
DG4P0HP2	48V	20...150V	
DG4P0LP2	-	150...250V	24V cc/dc
DG4P01P22	24V	-	
DG4P03P22	115V	-	
DG4P06P22	230V	-	
DG4P07P22	240V	-	

VISUALIZZAZIONE

Tipo display: LED rossi, 7 segmenti

Altezza cifre: 14mm

N° punti visualizzazione: 2.000 (3 1/2 cifre)

Indicazione massima: -1999...1999

Unità ingegneristica: personalizzabile dall'utente (targa adesiva)

Indicazione polarità: automatica, visualizzazione “-”

Indicazione fuorisca (visualizzazione > 1999): indicazione “_ _ _”

Aggiornamento visualizzazione: 3 letture/s

Aggiornamento misura: 3 letture/s

Memorizzazione valore massimo misurato (azzerabile)

Precisione¹ (riferita al campo di misura): $\pm (0,25\% + K) +1 \text{ digit}$

$K = 0,2 \frac{\text{portata}}{\text{campo di misura}}$ dove:

Portata = 200mV opp. 20V opp. 200V opp. 20mA opp. 2mA

Campo misura = fondo scala - inizio scala (0-200V = 200, 4...20mA = 16)

Es.: portata 200mV

campo di misura 0...150mV

$\text{Precisione} = 0,25\% + 0,2 \frac{200}{150} = 0,5\% +1 \text{ digit}$

¹ con ingresso corrente o tensione continua

PROGRAMMAZIONE

Programmazione parametri: tastiera frontale, 3 tasti

Conservazione parametri di configurazione: memoria permanente (EEPROM) senza batteria

Accesso alla programmazione: combinazione di tasti

PARAMETRI PROGRAMMABILI

Portata (Un / In): 200mV - 20V - 200V - 20mA - 2mA

Campo di misura: min. 0...0,25Un / In • max. -Un / -In...Un / In

VISUALIZZAZIONE

Inizio scala: -1999...1999 digit

Fondo scala: 1999...1999 digit

Punto decimale: 00.00 - 000.0 - 0000

Azzeramento valore massimo misurato

INGRESSO

Inserzione: diretta

Misura: tensione oppure corrente continua o pulsante, valor medio

Forma d'onda: continua o pulsante con frequenza $\geq 50\text{Hz}$

DISPLAY

Tipe of display: 7 segments, red LED's

Digit height: 14mm

N° of display points: 2.000 (3 1/2 digit)

Maximum display: -1999...1999

Engineering unit: user-customizable (adhesive label)

Polarity indication: automatic, display “-”

Overrange indication (display > 1999): indication “_ _ _”

Display update: 3 readings/s

Measure update: 3 readings/s

Storage of highest measured value (resettable)

Accuracy¹ (referred to the measuring range): $\pm (0,25\% + K) +1 \text{ digit}$

$K = 0,2 \frac{\text{range}}{\text{measuring range}}$ where:

Range = 200mV or. 20V or. 200V or. 20mA or. 2mA

Measuring range = full scale - offset (0-200V = 200, 4...20mA = 16)

Ex.: range 200mV

measuring range 0...150mV

$\text{Accuracy} = 0,25\% + 0,2 \frac{200}{150} = 0,5\% +1 \text{ digit}$

¹ with direct voltage or current input

PROGRAMMING

Parameters programming: front keyboard, 3 keys

Hold of configuration parameters: EEPROM memory, non volatile, no battery

Programming access: keys combination

PROGRAMMABLE PARAMETERS

Range (Un / In): 200mV - 20V - 200V - 20mA - 2mA

Measuring range: min. 0...0,25Un / In • max. -Un / -In...Un / In

DISPLAY

Offset: -1999...1999 digit

Full scale: 1999...1999 digit

Decimal point: 00.00 - 000.0 - 0000

Reset of highest measured value

INPUT

Connection: direct

Measurement: direct or pulsating current or voltage, average value

Waveform: direct or pulsating with frequency $\geq 50\text{Hz}$

TENSIONE NOMINALE Un: 200mV – 20V – 200V
CORRENTE NOMINALE In: 20mA - 2mA
Campo di misura selezionabile
Campo di misura massimo: -Un...0...Un opp. -In...0...In
Campo di misura minimo: 0...0,25Un opp. 0...0,25In
È possibile selezionare qualsiasi valore compreso tra quello minimo e massimo ottenendo il campo di misura desiderato.
Impedenza di ingresso / caduta di tensione: vedi tabella
Sovraccarico permanente: 1,2Un – 1,2In
Sovraccarico istantaneo: 2Un/5s – 2In/5s
Esempio di campi di misura selezionabili:

Portata Range	200mV	20V	200V	20mA	2mA
Campo di misura Measuring range	-200...0...200mV	-20...0...20V	-200...0...200V	-20...0...20mA	-2...0...2mA
	0...200mV	0...20V	0...200V	0...20mA	0...2mA
	-150...0...150mV	-10...0...10V	-150...0...150V	-10...0...10mA	-1...0...1mA
	0...150mV	0...10V	0...150V	0...10mA	0...1mA
	-100...0...100mV	-5...0...5V	-100...0...100V	-5...0...5mA	
	0...100mV	0...5V	0...100V	0...5mA	
	-60...0...60mV	1...5V	-50...0...50V	4...20mA	
	0...60mV	2...10V	0...50V		
	-50...0...50mV				
	0...50mV				
Impedenza di ingresso Input impedance	≥ 20kΩ	≥ 200kΩ	≥ 4MΩ		
Caduta di tensione Voltage drop				≤ 2V	≤ 200mV

USCITA ALIMENTAZIONE SENSORI (DG4P0.P22)

Per alimentazione trasduttori esterni (tecnica 2 o 4 fili)
Isolata galvanicamente da ingresso e ausiliaria
Valore nominale: 24Vcc (non stabilizzati)
Variazione: 15...30Vcc
Corrente massima: 30mA

ALIMENTAZIONE AUSILIARIA

Valore nominale Uaux ca: 24 - 48 - 115 - 230 - 240V
Variazione ammessa: ± 10% Uaux - 40...60V(Uaux 48V)
Frequenza nominale: 50Hz
Frequenza di funzionamento: 47...63Hz
Autoconsumo: 4,5VA
Valore nominale Uaux cc: 20...150Vcc - 150...250Vcc
Autoconsumo: 3W
Protezione contro l'inversione di polarità

ISOLAMENTO (EN/IEC 61010-1)

Categoria di installazione: III
Grado di inquinamento: 2
Prova di tensione alternata 2kV valore efficace 50Hz/1 min
Circuiti considerati: ingresso, alimentazione ausiliaria
Prova di tensione alternata 0,5kV valore efficace 50Hz/1 min
Circuiti considerati: ingresso, alimentazione ausiliaria verso uscita sensori
Prova di tensione alternata 2kV valore efficace 50Hz/1 min
Circuiti considerati: tutti i circuiti e massa
Prova di tensione a impulso 4kV 1,2/50µs 0,5J
Circuiti considerati: ingresso, alimentazione ausiliaria

COMPATIBILITA' ELETTROMAGNETICA

Prove di emissione in accordo con EN/IEC 61326-1
Prove di immunità in accordo con EN/IEC 61326-1

VOLTAGE RATING Un: 200mV – 20V - 200V
CURRENT RATING In: 20mA - 2mA
Programmable measuring range
Max. measuring range: -Un...0...Un or -In...0...In
Min. measuring range: 0...0,25Un or 0...0,25In
It is possible to select any value between the lowest and the highest one obtaining the desired measuring range.
Input impedance / voltage drop: see table
Continuous overload: 1,2Un – 1,2In
Istantaneous overload: 2Un/5s – 2In/5s
Example of selectable measuring ranges:

SENSOR SUPPLY OUTPUT (DG4P0.P22)

To feed external transducers (2 or 4 wire technique)
Galvanically insulated from input and auxiliary supply
Rated value: 24Vdc (not stabilized)
Tolerance: 15...30Vcc
Maximum load: 30mA

AUXILIARY SUPPLY

Rated value Uaux ac: 24 - 48 - 115 - 230 - 240V
Tolerance: ± 10% Uaux - 40...60V(Uaux 48V)
Rated frequency: 50Hz
Working frequency: 47...63Hz
Rated burden: 4,5VA
Rated value Uaux dc: 20...150Vdc - 150...250Vdc
Rated burden: 3W
Protected against incorrect polarity

INSULATION (EN/IEC 61010-1)

Installation category: III
Pollution degree: 2
A.C. voltage test 2kV r.m.s. value 50Hz/1 min
Considered circuits: measure, supply
A.C. voltage test 0,5kV r.m.s. value 50Hz/1 min
Considered circuits: measure, supply, towards sensor supply output
A.C. voltage test 2kV r.m.s. value 50Hz/1 min
Considered circuits: all circuits and earth
impulse voltage test 4kV 1,2/50µs 0,5J
Considered circuits: measure, supply

ELECTROMAGNETIC COMPATIBILITY

Emission tests according to EN/IEC 61326-1
Immunity tests according to EN/IEC 61326-1

CONDIZIONI AMBIENTALI

Temperatura di riferimento:	23°C ± 1°C
Temperatura di impiego:	- 5...55°C
Temperatura di funzionamento:	-10...55°C
Variazione indice di classe:	±0.03% / °C
Temperatura di magazzino:	-40...70°C
Umidità relativa:	20...80% senza condensa
Adatto all' utilizzo in clima tropicale	
Massima potenza dissipata ¹ :	≤ 3,6W
¹ Per il dimensionamento termico dei quadri	

CUSTODIA

Custodia:	incasso (foratura pannello 92x45mm)
Frontale:	96x48mm
Profondità:	103mm
Conessioni:	faston 6,3x0,8mm
Materiale custodia:	makrolon autoestinguente
Grado di protezione (EN60529):	IP50 (frontale), IP20 (morsetti)
Opzione:	protezione frontale IP54
Peso:	400 grammi

UNITA' INGEGNERISTICA

Etichette autoadesive, fornite con lo strumento

ENVIRONMENTAL CONDITIONS

Reference temperature:	23°C ± 1°C
Nominal temperature range:	- 5...55°C
Limit temperature range:	-10...55°C
Variation to the class index:	± 0,03% / °C
Limit temperature range for storage:	-40...70°C
Relative humidity:	20...80% without condensing
Suitable for tropical climates	
Max. power dissipation ¹ :	≤ 3,6W
¹ For switchboard thermal calculation	

HOUSING

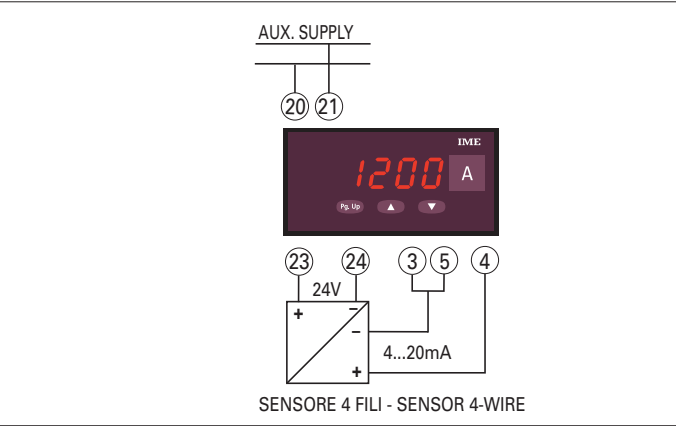
Mounting:	flush mounting (panel cutout 92x45mm)
Front frame:	96x48mm
Depth:	103mm
Connections:	fast-on 6,3x0,8mm
Housing material:	self-extinguishing makrolon
Protection degree (EN60529):	IP50 (front frame), IP20 (terminals)
Option:	IP54 front frame protection
Weight:	400 grams

ENGINEERING UNIT

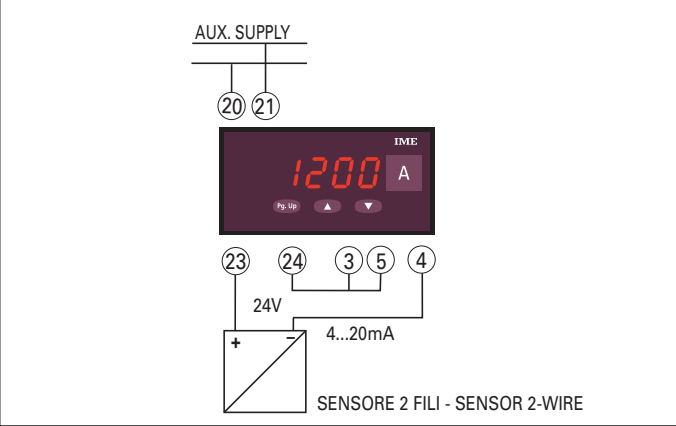
Adhesive label supplied with the meter
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A	V	C	%	W	Hz
kW	MW	kg	bar	var	kvar
Mvar	R.P.M.	m/min	Giri/min	kg/cm²	m³/h

ESEMPI IMPIEGO CON SENSORE ESTERNO



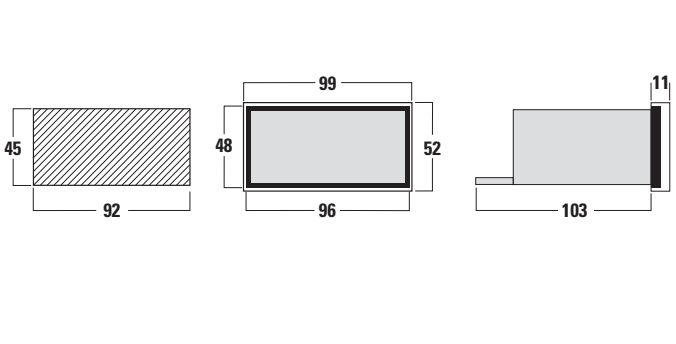
EXAMPLES USE WITH EXTERNAL SENSOR



SCHEMA D'INSERIZIONE WIRING DIAGRAM

S 305/138		(option)	
INPUT		SENSOR OUTPUT	
+ -		+ -	
① ② ③ ④ ⑤		②④ ③ ⑤ ④ ⑤	
+ -		+ -	
① ⑤		③ ⑤	
Ch1 200V		Ch3 200mV	
+ -		+ -	
② ⑤		④ ③ ⑤	
Ch2 20V		Ch4 20mA	
		+ -	
		④ ⑤	
		Ch5 2mA	
		AUX. SUPPLY	
		+ (-) (-) ②④ ②①	
		↑ ↑	

DIMENSIONI DIMENSIONS



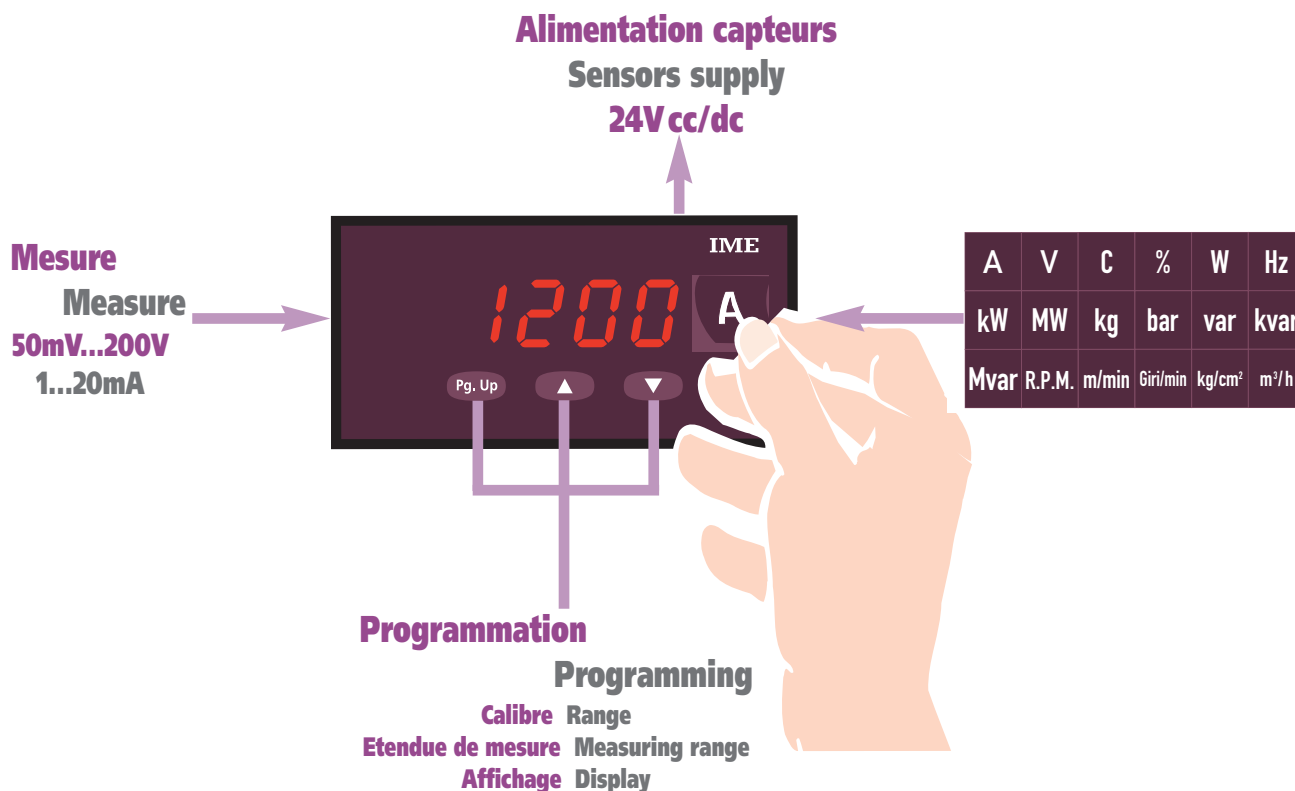
**Indicateur numérique
de tension ou courant
continu et pulsé
96x48 mm**

**Direct and pulsating
voltage or current
digital meter
96x48 mm**

DGY2K

Mesure et affichage de tension ou courant continu et pulsé
Mesure et affichage de la vitesse, de dynamo tachymétrique
Affichage de toutes les grandeurs directement proportionnelles à l'entrée courant ou tension
5 calibres d'entrée $\pm 200\text{mV} / \pm 20\text{V} / \pm 200\text{V} / \pm 20\text{mA} / \pm 2\text{mA}$
Etendue de mesure programmable 25...100% du calibre
Affichage programmable
Mémorisation de la valeur max. mesurée (réinitialisable)
Sortie 24Vcc pour alimentation capteur (température, pression, niveau, etc.)

To measure and display direct and pulsating current or voltage
To measure and display speed, from tachometer dynamo
Display of any proportional quantity directly proportional to input current or voltage
5 input ranges $\pm 200\text{mV} / \pm 20\text{V} / \pm 200\text{V} / \pm 20\text{mA} / \pm 2\text{mA}$
Programmable measuring range 25...100% of the range
Programmable display value
Storage of highest measured value (resettable)
External sensor supply output 24Vdc (temperature, pressure, level, etc.)



REFERENCE ORDERING CODE	ALIMENTATION AUXILIAIRE AUX. SUPPLY		SORTIE OUTPUT
	ca / ac	cc / dc	
2003 1452	24V	-	-
2010 1453	115V	-	
2010 1452	230V	-	
2013 1452	240V	-	
2010 1454	48V	20...150V	
2025 1452	-	150...250V	24V cc/dc
2003 1459	24V	-	
2010 1460	115V	-	
2010 1459	230V	-	
2013 1459	240V	-	

AFFICHAGE

Type d'afficheur: LED rouges, 7 segments

Hauteur des chiffres: 14mm

N° de points d'affichage: 2.000 (3 1/2 chiffres)

Indication maximum: -1999...1999

Unité de grandeur: personnalisable par l'utilisateur (étiquette adhésive)

Indication de la polarité: automatique, affichage "-"

Indication dépassement (affichage > 1999): indication " _ _ _ "

Echantillonnage de l'affichage: 3 lecture/s

Echantillonnage de la mesure: 3 lecture/s

Mémorisation de la valeur max. mesurée (réinitialisable)

Précision (par rapport au calibre mesuré): $\pm (0,25\% + K) + 1 \text{ digit}$

$K = 0,2 \frac{\text{calibre}}{\text{étendue de mesure}}$ quand:

Calibre = 200mV ou. 20V ou. 200V ou. 20mA ou. 2mA

Etendue de mesure = fond d'échelle - début d'échelle (0-200V = 200, 4...20mA = 16)

Ex.: calibre 200mV

étendue de mesure 0...150mV

Précision = $0,25\% + 0,2 \frac{200}{150} = 0,5\% + 1 \text{ digit}$

¹ avec entrée courant ou tension continu

PROGRAMMATION

Programmation des paramètres: 3 touches en face avant

Conservation des paramètres de configuration: mémoire permanente (EEPROM) sans batterie

Accès à la programmation: combinaison de touches

PARAMETRES PROGRAMMABLES

Calibres (Un / In): 200mV - 20V - 200V - 20mA - 2mA

Etendue de mesure: min. 0...0,25Un / In • max. -Un / -In...Un / In

AFFICHAGE

Début d'échelle: -1999...1999 digit

Fond d'échelle: 1999...1999 digit

Point décimal: 00.00 - 000.0 - 0000

Remise à zéro de la valeur max. mesurée

ENTREE

Raccordement: direct

Mesure: tension ou courant continu ou pulsé, valeur moyenne

Forme d'onde: continue ou pulsée avec fréquence $\geq 50\text{Hz}$

DISPLAY

Type of display: 7 segments, red LED's

Digit height: 14mm

N° of display points: 2.000 (3 1/2 digit)

Maximum display: -1999...1999

Engineering unit: user-customizable (adhesive label)

Polarity indication: automatic, display "-"

Overrange indication (display > 1999): indication " _ _ _ "

Display update: 3 readings/s

Measure update: 3 readings/s

Storage of highest measured value (resettable)

Accuracy ¹ (referred to the measuring range): $\pm (0,25\% + K) + 1 \text{ digit}$

$K = 0,2 \frac{\text{range}}{\text{measuring range}}$ where:

Range = 200mV or. 20V or. 200V or. 20mA or. 2mA

Measuring range = full scale - offset (0-200V = 200, 4...20mA = 16)

Ex.: range 200mV

measuring range 0...150mV

Accuracy = $0,25\% + 0,2 \frac{200}{150} = 0,5\% + 1 \text{ digit}$

¹ with direct voltage or current input

PROGRAMMING

Parameters programming: front keyboard, 3 keys

Hold of configuration parameters: EEPROM memory, non volatile, no battery

Programming access: keys combination

PROGRAMMABLE PARAMETERS

Range (Un / In): 200mV - 20V - 200V - 20mA - 2mA

Measuring range: min. 0...0,25Un / In • max. -Un / -In...Un / In

DISPLAY

Offset: -1999...1999 digit

Full scale: 1999...1999 digit

Decimal point: 00.00 - 000.0 - 0000

Reset of highest measured value

INPUT

Connection: direct

Measurement: direct or pulsating current or voltage, average value

Waveform: direct or pulsating with frequency $\geq 50\text{Hz}$

TENSION NOMINALE Un: 200mV – 20V – 200V
COURANT NOMINAL In: 20mA - 2mA
Etendue de mesure sélectionnable
Etendue de mesure max. : -Un...0...Un ou -In...0...In
Etendue de mesure min. : 0...0,25Un ou 0...0,25In
Il est possible de sélectionner toute valeur entre la plus basse et la plus élevée pour obtenir l'étendue de mesure désirée.
Impédance d'entrée / chute de tension: voir tableau
Surcharge permanente: 1,2Un – 1,2In
Surcharge instantanée: 2Un/5s – 2In/5s

Exemples d'étendues de mesure sélectionnables:

Calibre Range	200mV	20V	200V	20mA	2mA
Etendue de mesure Measuring range	-200...0...200mV	-20...0...20V	-200...0...200V	-20...0...20mA	-2...0...2mA
	0...200mV	0...20V	0...200V	0...20mA	0...2mA
	-150...0...150mV	-10...0...10V	-150...0...150V	-10...0...10mA	-1...0...1mA
	0...150mV	0...10V	0...150V	0...10mA	0...1mA
	-100...0...100mV	-5...0...5V	-100...0...100V	-5...0...5mA	
	0...100mV	0...5V	0...100V	0...5mA	
	-60...0...60mV	1...5V	-50...0...50V	4...20mA	
	0...60mV	2...10V	0...50V		
	-50...0...50mV				
	0...50mV				
Impédance d'entrée Input impedance	≥ 20kΩ	≥ 200kΩ	≥ 4MΩ		
Chute de tension Voltage drop				≤ 2V	≤ 200mV

SORTIE ALIMENTATION CAPTEUR

Pour alimenter des transducteurs externes (technique 2 ou 4 fils)
Isolée galvaniquement de l'entrée et de l'alimentation auxiliaire
Valeur nominale: 24Vcc (non stabilisé)
Variation: 15...30Vcc
Courant maximum: 30mA

ALIMENTATION AUXILIAIRE

Valeur nominale Uaux ca: 24 - 48 - 115 - 230 - 240V
Variation admissible: ± 10% Uaux - 40...60V(Uaux 48V)
Fréquence nominale: 50Hz
Fréquence de fonctionnement: 47...63Hz
Autoconsommation: 4,5VA
Valeur nominale Uaux cc: 20...150Vcc - 150...250Vcc
Autoconsommation: 3W
Protection contre l'inversion de polarité

ISOLEMENT (EN/IEC 61010-1)

Catégorie de l'installation: III
Degré de pollution: 2
Tension d'essai 2kV valeur efficace 50Hz/1 min
Circuits considérés: entrée, alimentation auxiliaire
Tension d'essai 0,5kV valeur efficace 50Hz/1 min
Circuits considérés: entrée, alimentation auxiliaire vers sortie capteur
Tension d'essai 2kV valeur efficace 50Hz/1 min
Circuits considérés: tous les circuits et la masse
Tension d'essai 4kV impulsions normalisée 1,2/50µs 0,5J
Circuits considérés: entrée, alimentation auxiliaire

COMPATIBILITÉ ELECTROMAGNETIQUE

Test d'émission selon EN/IEC 61326-1
Test d'immunité selon EN/IEC 61326-1

VOLTAGE RATING Un: 200mV – 20V - 200V
CURRENT RATING In: 20mA - 2mA
Programmable measuring range
Max. measuring range: -Un...0...Un or -In...0...In
Min. measuring range: 0...0,25Un or 0...0,25In
It is possible to select any value between the lowest and the highest one obtaining the desired measuring range.
Input impedance / voltage drop: see table
Continuous overload: 1,2Un – 1,2In
Istantaneous overload: 2Un/5s – 2In/5s

Example of selectable measuring ranges:

SENSOR SUPPLY OUTPUT

To feed external transducers (2 or 4 wire technique)
Galvanically insulated from input and auxiliary supply
Rated value: 24Vdc (not stabilized)
Tolerance: 15...30Vcc
Maximum load: 30mA

AUXILIARY SUPPLY

Rated value Uaux ac: 24 - 48 - 115 - 230 - 240V
Tolerance: ± 10% Uaux - 40...60V(Uaux 48V)
Rated frequency: 50Hz
Working frequency: 47...63Hz
Rated burden: 4,5VA
Rated value Uaux dc: 20...150Vdc - 150...250Vdc
Rated burden: 3W
Protected against incorrect polarity

INSULATION (EN/IEC 61010-1)

Installation category: III
Pollution degree: 2
A.C. voltage test 2kV r.m.s. value 50Hz/1 min
Considered circuits: measure, supply
A.C. voltage test 0,5kV r.m.s. value 50Hz/1 min
Considered circuits: measure, supply, towards sensor supply output
A.C. voltage test 2kV r.m.s. value 50Hz/1 min
Considered circuits: all circuits and earth
impulse voltage test 4kV 1,2/50µs 0,5J
Considered circuits: measure, supply

ELECTROMAGNETIC COMPATIBILITY

Emission tests according to EN/IEC 61326-1
Immunity tests according to EN/IEC 61326-1

CONDITIONS D'UTILISATION

Température de référence:	23°C ± 1°C
Température limite d'utilisation:	-5...55°C
Température de fonctionnement:	-10...55°C
Variation de l'indice de classe:	±0.03% / °C
Température de stockage:	-40...70°C
Humidité relative:	20...80% sans condensation
Adapté pour l'utilisation en climat tropical	
Puissance max. dissipée¹:	≤ 3,6W
¹ Pour le dimensionnement thermique du coffret	

BOITIER

Boîtier:	encastré (découpe panneau 92x45mm)
Face avant:	96x48mm
Profondeur:	103mm
Raccordement:	faston 6,3x0,8mm
Matériau du boîtier:	makrolon autoextinguible
Degré de protection (EN60529):	IP50 (face avant), IP20 (bornes)
Option:	protection face avant IP54
Poids:	400 grammes

UNITE DE MESURE

Etiquettes adhésives, fournies avec l'appareil
--

ENVIRONMENTAL CONDITIONS

Reference temperature:	23°C ± 1°C
Nominal temperature range:	-5...55°C
Limit temperature range:	-10...55°C
Variation to the class index:	± 0,03% / °C
Limit temperature range for storage:	-40...70°C
Relative humidity:	20...80% without condensing
Suitable for tropical climates	
Max. power dissipation¹:	≤ 3,6W
¹ For switchboard thermal calculation	

HOUSING

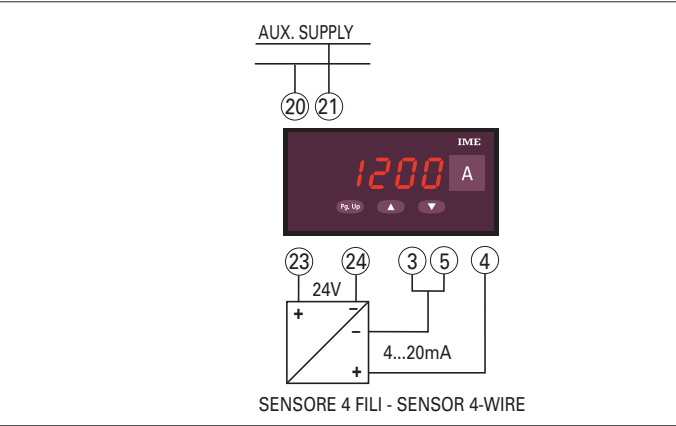
Mounting:	flush mounting (panel cutout 92x45mm)
Front frame:	96x48mm
Depth:	103mm
Connections:	fast-on 6,3x0,8mm
Housing material:	self-extinguishing makrolon
Protection degree (EN60529):	IP50 (front frame), IP20 (terminals)
Option:	IP54 front frame protection
Weight:	400 grams

ENGINEERING UNIT

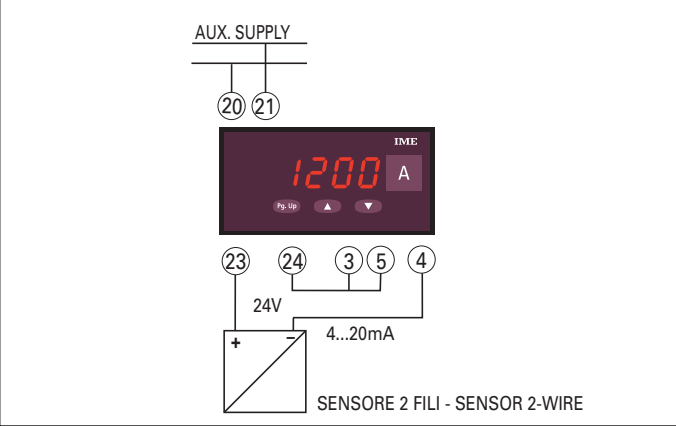
Adhesive label supplied with the meter
--

A	V	C	%	W	Hz
kW	MW	kg	bar	var	kvar
Mvar	R.P.M.	m/min	Giri/min	kg/cm²	m³/h

EXEMPLE D'UTILISATION AVEC CAPTEUR EXTERNE



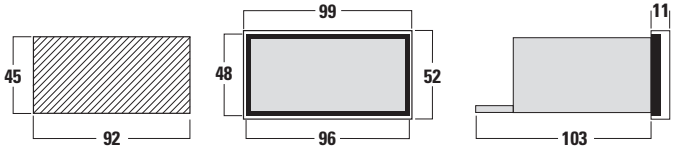
EXAMPLES USE WITH EXTERNAL SENSOR



SCHEMAS DE RACCORDEMENT WIRING DIAGRAM

S 305/138		(option)	
INPUT		SENSOR OUTPUT	
+ -		+ -	
① ② ③ ④ ⑤		②④ ③ ⑤ ④ ⑤	
+ -		+ -	
① ⑤		③ ⑤	
Ch1 200V		Ch3 200mV	
+ -		+ -	
② ⑤		④ ③ ⑤	
Ch2 20V		Ch4 20mA	
		+ -	
		④ ⑤	
		Ch5 2mA	
		AUX. SUPPLY	
		+ (-) (-) ②④ ③	

DIMENSIONS DIMENSIONS



IMESYS se réserve à chaque moment de modifier les caractéristiques sans préavis écrit / IMESYS reserves the right to modify the technical characteristics without notice.