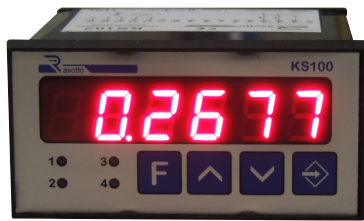


Frequency meter with 0-10V analogue output


Frequency meter with proportional 0-10V analog output and input pulses multiplication coefficient to adapt the transducer to the system measurement unit.

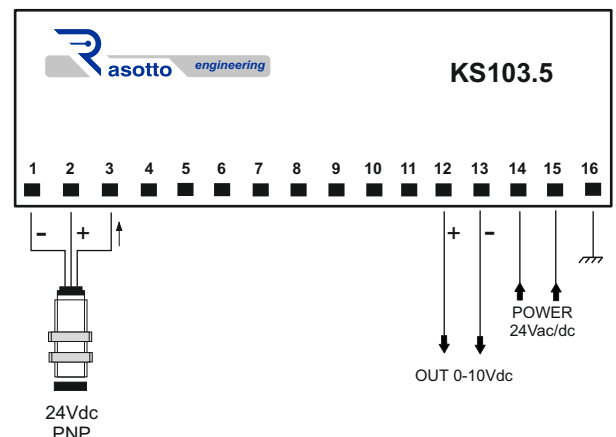
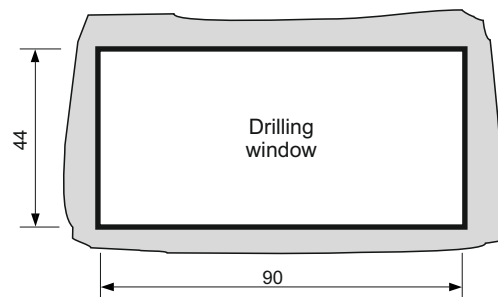
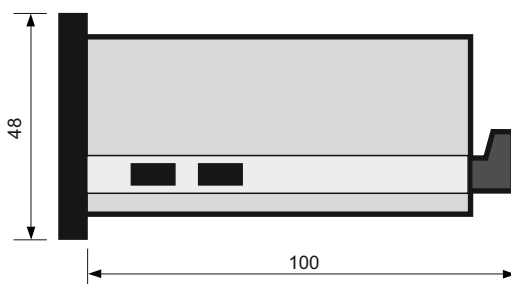
The transducer is powered by the instrument and data and parameters storage is performed on EEPROM.

The analogue output and parameters setting is performed with the keyboard entering in the programming mode.

The 0-10V analogue output proportionally follows the instrument displayed value following the two limit values selected during the programming phase. Using the keypad you set the value at which the analog output generates 0Vdc and the value at which the analogue output generates +10Vdc; for all intermediate values the analogue output proportionally follows the displayed value.

Technical features





















Power supply	24Vac/dc +/- 5%
Absorption	2 VA nominal
Display	6 digits H= 13mm
Full scale max value	99.999
Resolution	+/- 1 digit on f.s.
Count frequency	1 KHz
Operation conditions	0.. +55°C / 20..90% R.U. without condensation
Storage conditions	-25.. +80°C / 20..90% R.U. without condensation
Mounting	recessed mounting
Container	Black ABS
Protection degree	IP30

Electrical connections

Dimensions


Operation cycle

When switched on, after displaying the product name and the firmware version, the instrument displays the input read frequency and generates a 0-10Vdc signal that is proportional to the displayed value and to the set parameters.

Technical Parameters Programming





To enter programming press the key **F** the message appears **PASS**, press  and using the keys   enter the password **569**, confirm with the key  and it will be displayed **dP** **dP** represents the decimal point. To change the decimal point position, press the key  and using the keys  , put the decimal point in the desired position (allowed values from 0 to 6). As soon as a key is released, the set DP value will flash; to continue programming press the key  and it will be displayed **bAnC** to block the least significant digit value to zero. To change the BANC value, press the key  and use the keys   to enter the 0 value if you want to display the last digit or 1 in case of slow counts to set the last digit. As soon as a key is released, you will see the set BANC value flashing; to continue with the programming press the button  and it will be displayed **COEFF** which represents the coefficient. To change the value of the coefficient, press the key  and using the keys   enter the desired coefficient value. As soon as a key is released, the value will flash; to continue with the programming press the key  and it will be displayed **SCAnS** representing the scan time, expressed in seconds, between two successive pulses readings counted by the instrument. To change the scan value, press the key  and use the keys   to enter the desired value. As soon as a key is released the value will flash; to continue with the programming press the key  and you will return to the programming beginning ie **dP**. If you wish to end programming, wait for the display to stop flashing.




Technical parameters description











- dP** Decimal point : decimal point that can be positioned in the six display digits (min 0 max 6).
- COEFF** Coefficient: measured pulses multiplication value in the scan interval.
- bAnC** Last digit block: if you want to lock the last digit to zero in case of very slow counts, set the value to 1.
- SCAnS** Scan: scan time, expressed in seconds, between two successive pulses readings counted by the instrument.

Pressing the arrow keys together   brings the displayed value to zero.

0-10Vdc ANALOGUE OUTPUT programming

Press  It shows  Press  It shows 

With the keys   scroll the digits on the display until  Password value

Press   press  and using the keys   set the value that will be shown on the display to which the analogue output will generate 0Vdc, then confirm using the button   press  and using the keys   set the value that will be shown on the display to which the analogue output will generate 10Vdc, then confirm letting the value flash and at the flashing end the instrument will exit programming.

Frequency meter with 0-10V analogue output

