

art.HB548.05

ABSOLUTE OR INCREMENTAL ANALOGUE POSITIONER

The **HB548.05** positioner, with the aid of an **incremental Encoder**, to fit on the prepared shank of the trapezoidal screw, is a very suitable tool for applications with our **Compact, Excellent, Tecnology and Rotary nut motorized Groups** with **decimal positioning** in reference to the pitch tolerance of our trapezoidal screws. RTHis positioner is analogue and also has the possibility of selecting the type of incremental positioning and if used with **Optical Scales** will achieve **centesimal control**. To optimise the functionality of the **HB548.05** positioner our groups have to be equipped with a **worm screw gearmotor and a direct current servomotor, or else a brushless motor + actuator**. The device has a 255 step memory that can be sub-divided in N programs and a programmable piece counter–total produced. Thanks to the D function, it allows positioning to the quota in use + quota D. It is possible to program automatic functioning or from the input commands **restart, zeroing, counting and incremental step**. The serial port fitted offers the possibility to command the unit from a PC or PLC. It is normally supplied in the **standard version for 24 V.AC power supply** (to be used with a transformer) or else, on request, in the optional 110 V.AC version (also to be used with a transformer) or a 200 V.AC version to use connected directly to the mains electrical supply. The positioner has a virtually inexhaustible memory that allows the retention of saved data even if it is switched off for long periods. To avoid problems from unexpected interruptions to the power supply with probable variations of position, we recommend pwering the Positioner across an **Uninterruptable Power Supply (UPS)**.

GENERAL FEATURES

- Dimensions: DIN 72x144x119 mm.
- 255 steps sub-dividable in programs.
- Piece counter or repetition counter.
- Manual-Automatic functioning.
- Analogue output $\pm 10V$ 16 bit
- P.I.D.
- RS232 Serial port
- Polarised, extractable terminal boxes.
- Digital input, output and counting are all Optoinsulated.
- **Inputs:** Start/Stop/Restart; Emergency; Zeroing.
- Totalise; Enable zero pulse; increase step/increase total; find preset; Quota Δ .
- **Output:** Tolerance; end step/End of program; Find preset OK; Tracking error; Manual operation; Enabling axis.

TECHNICAL FEATURES

- **Operating temperature:** 0-50°C
- **Degree of frontal protection:** IP51 (conforms to EN60529)
- **Unit power:** 24 Vac 50 Hz (optional 110-220)
- **Max absorption:** 16 VA
- **Memory:** Semiconductor, non volatile
- **Power delivered:** 12 Vdc - 150 mA $\pm 4\%$
- **Display:** 6+9 display 7 segments.

DIGITAL INPUTS

- **Optoinsulation:** 2500 Vrms.
- **Polarizzazione:** NPN
- **Tensione nominale:** 12 Vdc
- **Tempo min. acq interrupt:** 500 mS.

INGRESSI CONTEGGIO

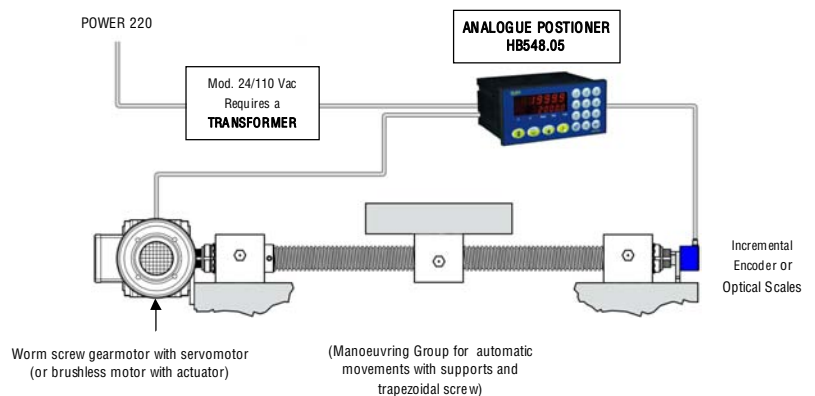
- **Frequenza max:** 20 kHz (opz. 100 kHz)
- **Optoisolamento:** 2500 V rms.
- **Polarisation:** NPN
- **Nominal power:** 12 Vdc (opz. 5 Vdc)

STATIC OUTPUTS

- **Optoinsulation:** 2500 Vrms.
- **Switchable load:** ac/dc (NPN)
- **Max voltage:** 24 Vac/dc
- **Max current:** 70 mA
- **Current leakage:** 20 mS.



Esempio di applicazione:



ANALOGUE OUTPUT

- **Power range:** ± 10 Vrms
- **Resolution:** 16 bit
- **Isolation:** 2500 V

THE HB548.05 POSITIONER CAN BE APPLIED TO ALL OUR MANOEUVRING GROUPS FROM TR 10 TO 60	MODEL	CODE	ARTICLE	WEIGHT (Kg)
	STANDARD	30CSCPP000	POS/HB548.05/24	1,050
	OPTIONAL	30CSCPP001	POS/HB548.05/110	1,050
	OPTIONAL	30CSCPP002	POS/HB548.05/220	1,050