

- ✓ Gray or Binary Absolute Code
- ✓ Parallel up to 16 bit
Serial up to 32 bit (16+16)
- ✓ 4 Set Point Relay
- ✓ 6 Digit Display with Floating Point
- ✓ Analog Outputs 0-10V and 0/4-20mA
- ✓ Data Outputs RS232 and RS485
- ✓ Last Reading Memory



Model INF8-ABS counter is keypad programmable six digit counter for connecting of absolute coded resolvers with parallel or serial data outputs in a single turn or in a multi turn mode of operation. The excitation for sensors is provided.

The programming of parameters is with the keyboard at the front and contains settings of the Scale, four Set Points, two Analog Outputs and two Serial Data Ports.

The keyboard selects also the mode of operation as Single Turn or Multi Turn positioning counter or angular counter.

Absolute Code Counter Parallel is using the Gray or the binary code from resolvers with parallel outputs. Encoders with up to 16 bit parallel outputs can be connected directly to the counter.

Single Turn or Multi Turn modes are available.

Absolute Code Counter Serial is using the Gray or the binary code from encoders with 9 to 32 bit of SSI, EnDat, RS485 or other serial outputs. Single Turn or Multi Turn modes are available and can be selected with the keyboard.

Display

6 digit, 0 ... ± 999.999 , 14,7mm red or green with floating decimal point arithmetics. Above the full range of 999999 the display switches into exponential mode.

Inputs

Positiv logik 5-28V.
Frequency Range: DC ... 800kHz.

Absolute Code Counter parallel

9 to 16 bit Gray or binary parallel inputs 5 - 28V positive logic.

Absolute Code Counter serial

9 to 32 bit Gray or binary, SSI, EnDat, RS485 and other serial data.

Preset

Display offset programmable from 0 to ± 999999 with decimal point and sign can be activated with the keyboard.

Serial Data Ports

RS232 and RS485 with 8 bit, no parity, 1 Start, 1 Stop, 600 to 19200 bd. The address of RS485 is selectable between 1 and 31. The address 0 activates RS 232. Continuous or request transmission can be selected. The outputs are isolated by 250V RMS.

Analog Output

-10V...+10V and 0/4-20mA, resolution 12 or 16 bit. With the keyboard the outputs can be assigned to any desired display value.

Scale

The display can be multiplied with a six digit constant with decimal point and sign. The Scale is programmable from 0 to ± 999999 and permits the display to increment in the selected number of the resolver bits.

Setpoints

Four NPN open collector outputs 60V-100mA or 4 mechanical relay 5A-230VAC. The set points can be adjusted within the entire display range.

Excitation

5-24V DC - 40mA, adjustable inside the instrument for supplying of external sensors.

Power

115/230VAC, $\pm 10\%$, 50-60Hz, 8VA.
Option: 9-36VDC/6W.

Cabinet

1/8 DIN, 48x96x 150mm. Panel cut-out 45 x 93 mm, IP65 front.