



Product information

INDUcoder SSI DISPLAY MODULE MOD14

Display module with programmable outputs for absolute encoders

With analogue outputs / SSI-interface /

Parallel-interface / RS485-interface

The SSI display modules MOD14 are programmable multifunctional display modules, alternatively for connecting one single-turn or one multi-turn absolute encoder with SSI interface and resolution up to 25 bit, output data in Gray code.

SSI display modules MOD14 has the usual standard function of a display module, but are **also** programmable **by 4 control outputs alternatively with threshold switch, cam switch and pulse switch. Display parameters as scale factor, decimal sign and zero offset are completely programmable.**

The display module is equipped with an analogue voltage output from -10 to +10 V and an analogue current output from -20 to +20 mA. Digital values are converted to the analogue output signals each by a high precision 14 bit D/A-converter. Scale factor and zero offset of the analogue output signals are programmable too. The analogue output parameters are programmable in a way that the full voltage- or current range is used within any angular range of the encoder.

Optional the display modules can be equipped with **additional parallel inputs and outputs**. The value read by the parallel inputs is used for electronic reset or for calculations with the display value. The display value can be put out via the parallel outputs either in binary code, Gray code or BCD-code.

As another auxiliary equipment an RS485 interface for remote control can be built-in the display module MOD14.

MOD14 provides 1 programmable control input and 1 control input for storing the display value.

Supply voltage of MOD14 is 10 to 35 VDC; power consumption is less than 250 mA, in case of 24 VDC even less than 150 mA.

With its dimensions of 111 x 144 x 72 mm the case is prepared for panel mounting. Data is displayed by a red 8-digit 7-segment LED display with digit height of 14 mm. Protection class of the front panel is IP 50, IP54 with protective housing. Protection class of the rear panel is IP 20. Operation temperature is 0° to 50° Celsius.