



Multifunctional Indicator IX350

SSI indicator for absolute encoders, with touchscreen and graphic display

Product Features:

- Master or Slave operation with clock frequencies up to 1 MHz
- For single turn and multi turn encoders with SSI formats from 13 ... 32 Bit
- Bright and high-contrast display with event-dependent color variations
- Emulation of a 7-segment display inclusively icons and units
- Intuitive and easy parameterization by plain text and touchscreen
- 24 V auxiliary output for encoder supply
- Linearization with 24 control points
- Numerous features, e. g. scaling, filtering, bit blanking etc.
- 3.78 x 1.89 inch norm panel housing and IP65 protection

Available Options:

- **IX350:** Basic unit with SSI interface, 3 control inputs
- **Option AC350:** Power supply 115 / 230 VAC
- **Option AO350:** 16 bit analog output, 4 control outputs, serial RS232 interface
- **Option CO350:** 4 control outputs, serial RS232 interface
- **Option RL350:** 2 relay outputs

All options can be combined

Technical Specifications:		
Power supply (DC):	Input voltage: Protection circuit: Consumption:	18 ... 30 VDC reverse polarity protection approx. 150 mA (unloaded)
Power supply (AC): (Option AC350)	Input voltage: Power consumption:	115 / 230 VAC (60/50 Hz) approx. 5 VA (unloaded)
Connections:	Connector type:	screw terminal, 1.5 mm ² / AWG 16
Encoder supply:	DC version: Output current: AC version (AC350): Output current:	approx. 1 V lower than the power supply voltage max. 250 mA approx. 24 V (± 15%) max. 150 mA
SSI interface:	Configuration: Format: Frequency: Resolution:	Master or Slave Binary or Gray code max. 1 MHz 13 ... 32 Bit
Control inputs:	Number of inputs: Format: Frequency: Load:	3 HTL, PNP (10 ... 30 V) max. 10 kHz max. 2 mA / R _i > 15 kOhm / 470 pF
Analog output: (Option AO350)	Configuration: Voltage output: Current output: Resolution: Accuracy:	current or voltage operation -10 ... +10 V / 0 ... +10 V (max. 2 mA) 0 ... 20 mA / 4 ... 20 mA (burden: max. 270 Ohm) 16 Bit ± 0,1 %
Control outputs: (Option CO350)	Number of outputs: Format / level: Output current: Reaction time:	4 3 ... 30 V (depends on the Com+ voltage), PNP max. 150 mA < 1 ms
Relay outputs: (Option RL350)	Number of outputs: Configuration: Switching voltage: Switching current: Switching power: Reaction time:	2 potential free changeovers max. 100 VDC / 250 VAC max. 0.5 A / 1 A max. 50 W / 250 VA < 5 ms
Serial interface: (Option CO350)	Format: Baudrate: Configuration:	RS232 2400 ... 38400 baud PC or Printer mode
Display:	Type: Color: Operation:	LCD (backlight) red/ green / yellow (switchable) resistive touchscreen
Housing:	Material: Mounting: Dimensions (w x h x d): Cut out (w x h): Protection class: Weight:	ABS, UL 94 V-0 panel cut out 96 x 48 x 100 mm / 3.78 x 1.89 x 0.39 inch 91 x 44 mm / 3.58 x 1.73 inch IP65 (front), IP20 (rear) approx. 180 g
Ambient temperature:	Operation: Storage:	-20 °C ... +60 °C resp. -4 ... 140 °F -25 °C ... +70 °C resp. -13 ... 158 °F
Conformity and standards:	EMC 2004/108/EC: LV 2006/95/EC RoHS 2011/65/EU:	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4 EN 61010-1 EN 50581