

LD series multi-function displays with touch screen

The range of LD multi-function process indicators from Lika Electronic includes four models designed to interface analogue absolute encoders (LD210 model), SSI absolute (LD220 model) and HTL/TTL incremental as well as NPN/PNP/NAMUR sensors (LD350 and LD355 models).

- Multi-function process indicators with touch screen and three-color display
- LD210 is designed to interface current/voltage analogue encoders
- LD220 is designed to interface SSI single- & multiturn encoders
- LD350 and LD355 are designed to interface HTL/TTL encoders and NPN/PNP/NAMUR sensors

The range of LD multi-function displays offers the greatest level in usability and versatility. They feature a 7-segment graphic display with touch screen and a complete set of plain text, symbols and units. The LED display is bright and provides high contrast readability and also allows the background light to turn red, green or yellow in the event of the set occurrences (for instance, it can be set to turn red when threshold limits are exceeded). The combination of plain text and touch screen functions makes the parametrization very user-friendly and intuitive. The protection rate is IP65.

The LD range is offered in four models:

- LD210 is designed to interface current/voltage analogue encoders;
- LD220 is designed to interface SSI single- & multiturn encoders;
- LD350 is designed to interface HTL encoders and NPN/PNP/NAMUR sensors (AB signals);
- LD355 is designed to interface TTL/RS-422/HTL differential encoders (AB /AB signals).

LD210 process indicator for analogue encoders

It is equipped with two 16-bit analogue inputs and connects current (0-20mA, 4-20mA) and voltage ($\pm 10V$, 0-10V) analogue encoders. It can show process values from Input 1 or Input 2 and even the results of a variable combination of the inputs (sum, difference, ...). Among the available functions are tare, separate totalization, linearization over 24 interpolation points, choice of the engineering unit, sampling time setting, etc.

LD220 process indicator for SSI encoders

It accepts signals from single- and multiturn encoders with SSI interface, resolution in the range 10 to 32 bits and clock



frequency up to 1 MHz. Operation can be as either Master or Slave. The features include scaling, bit blanking, linearization over 24 interpolation points, choice of the engineering unit, sampling time setting, three HTL PNP control inputs (for example for resetting the display value), etc.

LD350 and LD355 process indicators for incremental encoders and sensors

LD350 is designed to interface two HTL encoders or NPN/PNP/NAMUR sensors that provide AB signals (single ended output); LD355 is designed to interface two TTL/RS-422/HTL differential encoders that provide both AB and complementary /AB signals. They support many operating modes such as position indicator, tachometer and speed indicator, frequency / RPM indicator, process meter, counter, timer, stopwatch, etc. The input frequency can be up to 1 MHz. They also implement the counting direction and linearization functions.

All models offer a number of additional options including auxiliary output for encoder supply, voltage/current analogue outputs, PNP control outputs, relay outputs and RS-232 / Modbus RTU serial interface. They can be freely combined and allow you to find the exact configuration you need, also in case of replacement of old display models.