



## SERIES: DB15 & DB16

**Indicator + Data Logger +  
Transmitter + ON/OFF Controller**  
and many more features all in one unit

- UNIVERSAL INPUT
- SELECTABLE BARGRAPH COLOUR & RESOLUTION
- COLOURED MARKERS OF ALARM THRESHOLDS
- SIGNALLING OF ALARM STATE THROUGH BARGRAPH COLOUR CHANGE
- TREND LINE TO INDICATE GROWTH, FALLING OR STABLE STATE OF THE INPUT SIGNAL
- RECORDING OF 750 DATA SAMPLES
- 4-DIGIT LED INDICATION
- mA OR VOLTAGE OUTPUT (OPTION)
- 4 ON/OFF RELAY OUTPUTS (OPTION)
- 8 OPEN COLLECTOR OUTPUTS (OPTION)
- MODBUS RS-485 INTERFACE (OPTION)
- MINIMUM & MAXIMUM VALUES STORAGE
- WORKING RANGE CONTRACTION (MAGNIFIER)
- GALVANIC ISOLATION OF ALL INPUTS & OUTPUTS

*multicolour*



### INTRODUCTION

Indumart Multicolour Bargraph Indicators models *DB15* and *DB16* use the new gallium nitride diode technology to bring a high accuracy, multicolour, bargraph indicator with high luminescence brightness to show the value(s) of the input(s) both in bar and digital fashions. High intensity of the bargraph light allows good visibility even in a sunlit room.

These universal input bargraph indicators can indicate, record and control various processes and produce a current or voltage output. They may convert input signals into mA or voltage output, and also have RS-485 digital interface and four relay or eight open collector type outputs. They are intended for both simple and industrial applications and for applications destined to work in computer systems, with the recording of the input signals and producing ON/OFF control action.

Up to seven choices for bargraph colour, and up to three multicolour sections on the bargraph may be specified. Indicating the alarm states, the trend changing of the process, and the value of input(s) digitally on 4-digit LED indicator(s) are other standard features of DB series bargraph indicators.

Features such as storage of minimal and maximal values, root extraction or raising to a power of the input(s), addition, subtraction, multiplication and division of the channels, galvanic isolations of all inputs and outputs, working range contraction (magnifier), password protection of the specification parameters, and many more capabilities make the DB series the most versatile bargraph indicators in the market.

The indicators can easily be programmed via their keyboard or through the RS-485 interface.

