

RECEIVER CONTROLLER

SCANNER UP TO 32 CHANNELS COMPATIBLE WITH EXPO 98 TRANSMITTERS



SC 5101

32 CHANNEL RECEIVER SCANNERS

The SC - 5101 Series of single and up to 32 channel digital indicators sets a new standard for performance, features, value and reliability. With built-in functionality, easy digital programmability, communications and powerful windows based software, this economical scanner is ideal for monitoring recording and logging applications. Complete configuration of the instrument can be quickly performed from the front panel. It features easy-to-use front panel configuration, display of gas monitored, unit with resolution of either 0.1 or 1 and alarm limit conditions.

Thanks to its exclusive software, you can export the data you gather as text to create graphs and produce hard copy reports. All active inputs can be manually selected or automatically scanned. A front panel channel indicator accompanies the displayed data of gas concentration and unit of its measurement. Individual alarm limit can be assigned to each channel. A built-in 5 A rated Form - C relay is energized, whenever the limit on any channel is exceeded. Alarm conditions can be programmed for manual acknowledgment or for automatic reset.

SPECIAL FEATURES

- Single and up to 32 input models
- Single or multi gas configuration
- IP 65 housing
- Self integrity check
- Simultaneous display of channel number, concentration & unit of measurement
- Low & high alarm indication for each channel
- Common relay output for alarm & fault
- DC output to power transmitters
- Selectable 0.1/1° resolution
- Models with data logger & RS 232 / RS 485 communications
- View all channel data & alarm status
- Log real-time data
- Create exportable data files

SPECIFICATIONS

Type	: Wall mount
Detectable gases / parameters	: All from transmitters
Electronics / processor	: Micro-controller
Power supply	: 230 V AC
Display	: Alpha numeric / Graphic LCD / TFT Screen
Alarm	: LOW & HIGH visual LED alarms, adjustable
Output	: 4 - 20 mA for each channel, 3 Alarm Relay
Digital output	: RS 232 / RS 485 / Send data to memory card / USB
Technology	: All from gas transmitters
Resolution	: 1 %V/V, 1 %LEL, 1 PPM
Accuracy	: ± 0.5 %
Response time	: Instantaneous
Operating temperature	: 0 - 55 °C
Input	: 4 - 20 mA / RS - 485 from transmitter
Housing	: ABS Plastic
Optional accessories	: Cable, hooter, datalogger
Relay output	: 2 Nos, 5A @ 120 V AC SPDT
Stability with time	: 0.8° per year
Point update rate	: 2 per second nominal (1° readings) 1 per second nominal
Process input impedance	: 100 Ohm
Alarm relay contact rating	: 5 A @ 120 Vac SPDT (non-inductive load) Form-C
Humidity	: Less than 95% RH non-condensing
Dimensions (Wall mount)	: 254 (L) * 215 (W) * 146 (H) mm
Protection	: IP 65

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
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