**Programmable absolute encoder display ADP-001**

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- **Article-No.: 485-00220**
- **6 decades display**
- **Programming of encoder datas**
- **Scaling-factor**
- **Offset value**
- **Hold function**
- **MAX/MIN value detection**
- **Auto-Reset of MAX/MIN value**
- **Display of error messages**

## General characteristic data

| | |
|---|---|
| **SSI signal input** | singleturn or multiturn |
| Resolution | 10...25 bit |
| Code | binary or gray |
| Clock output | driver RS422 / RS485 |
| Clock input | receiver RS422 / RS485 |
| Data input | receiver RS422 / RS485 |
| **Master mode** | |
| Clock frequency | internal, 100 kHz or 200 kHz |
| Conversion rate | approximate 28 values/second |
| **Slave mode** | |
| Clock frequency | external, max. 125 kHz |
| Break of clock brushs | min. 500 µs |
| Conversion rate | approximate 28 values/second |
| **Digital user inputs** | 10 kΩ to +5V |
| Logic | NPN, max. 30V |
| Signal level | L-level < 0,4V / H-level > 3,5V |
| **Alarm outputs** | 2 relays (programmable as opened contact or closed contact) |
| Signaling | 2 LEDs at the front |
| Switch voltage | 250V AC / 250V DC |
| Switch current | 5A AC / 5A DC |
| Switch power | 750 VA / 100 W |
| **Analog output** | resolution 16 bit |
| Accuracy | ± 0,2% of final value |
| Voltage | 0/2 – 10V, max. 10mA |
| Current | 0/4 – 20mA, max. 500Ω |
| Isolation voltage | 3 kV / 1 min |
| **Power supply DC** | 18...36V DC |
| Power consumption | approx. 200mA |
| Isolation voltage | 500V / 1 min |

## Environmental Data

| | |
|---|---|
| Operating temperature | 0...50°C |
| Storage temperature | - 20...+70°C |
| Humidity | < 80%, not-condensing |
| Protection | protection class II |
| Front protection | IP 40, connectors IP 20 |
| Field of application | class 2, overvoltage protection II |
| CE | in conform with 89/336/EWG, NSR 73/23/EWG |

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## Mechanical Data

| | |
|---|---|
| **Display** | 6-decades, 8 mm, red<br>decimal point programmable<br>preliminary zero suppression<br>- sign at negative values |
| **Operation, keyboard design** | front membrane with push buttons<br>rail mounting DIN EN 50022<br>35 mm snap in |
| Dimensions (W x H x D) | 67,5 x 75 x 105 mm |
| **Weight** | ca. 300 g |
| **Connection** | plug-in screw terminal, max. □ 2,5 mm² |

## Dimensional Drawing