



Back view of AT78

| Technical data: | |
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| Dimensions | w 201 x h 146 x d 56 mm |
| Mounting hole | w 187 x h 130 mm |
| Weight | 1000 gram |
| Fixture | front panel installation via 2 brackets sideways |
| Display dimension | 125 x 69 mm |
| Display type | LCD, 240 x 128 pixel, supports graphics |
| Background illumination | LED, white mode, MTBF: 100.000 h |
| Current consumption | 350 mA (on 24V) |
| Supply voltage | 10 - 32 VDC, including reverse voltage protection |
| I/Os | 16 dig. low-side inputs, 16 dig. high-side outputs, 7 analogue inputs (10 Bit) 1 analogue Output (0-10V) |
| Program/data memory | 1,2 MByte Flash, 256 kByte SRAM, 2 kByte EEPROM |
| Interfaces | CAN ISO11898, RS232 |
| Optional interfaces | 2 nd CAN, RS422, PS/2 |
| Test standards EMC, temperature, vibration, shock | EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN60068-2-6, EN60068-2-27, EN60068-2-2, EN60068-2-30 |
| Protection rating frontside | IP65 acc. to DIN60529 |
| Operating temperature | -20°C to +65°C |
| Storage temperature | -30°C to +80°C |
| Miscellaneous | counter input up to 100 kHz |

We reserve the right to make technical alterations without prior notice. Status: April 3 2009. H250A2

Designed for machinery and vehicle technology the AT7 series offers:

2 device alternatives

AT7 with its large-sized display allows more complex presentations for plant and machinery operation. Version AT78 features 8 function keys, AT77 additionally offers a numeric keypad. Both versions are equipped with 8 status LEDs (available in red or green). Display contents and key functions are freely programmable.

Additional I/Os

Both versions are equipped with an internal I/O card including 16 freely programmable in- and outputs respectively on the rear panel as well as 7 analogue inputs and 1 analogue output.

Temperature-compensated display

At fluctuating ambient temperature LC displays present an alternating contrast. On this account the current temperature of the display is measured periodically in order to adjust the contrast automatically. In result the user benefits from an optimal display presentation at any operating temperature.

2nd CAN bus option

In order to build a second independent CAN network, a second CAN bus can be integrated. Such kind of second CAN network for instance could present the connection to an electronically controlled diesel engine, where communication is realised via standardised J1939-protocol.

J1939-protocol

By means of our software ITE the device may be connected to electronically controlled diesel engines. It automatically reads out the active motor information via data link and displays the data afterwards.

Freely writeable function keys

The function keys can be individually labelled via integrated retractable strap. Illuminated function keys (night vision design) are available on request.