

Back view of AT68

### Technical data:

<b>Dimensions</b>	w 196 x h 110 x d 56 mm
<b>Mounting hole</b>	w 187 x h 101 mm
<b>Weight</b>	850 gram
<b>Fixture</b>	front panel installation via 2 brackets sideways
<b>Display dimension</b>	125 x 35 mm
<b>Display type</b>	LCD, 240 x 64 pixel, supports graphics
<b>Background illumination</b>	LED, Yellow/Green mode, MTBF: 100.000 h
<b>Current consumption</b>	350 mA (on 24V)
<b>Supply voltage</b>	10 - 32 VDC, including reverse voltage protection
<b>I/Os</b>	16 dig. low-side inputs, 16 dig. high-side outputs, 7 analogue inputs (10 Bit) 1 analogue Output (0-10V)
<b>Program/data memory</b>	1,2 MByte Flash, 256 kByte SRAM, 2 kByte EEPROM
<b>Interfaces</b>	CAN ISO11898, RS232
<b>Optional interfaces</b>	2 <sup>nd</sup> CAN, RS422, PS/2
<b>Test standards EMC, temperature, vibration, shock</b>	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN60068-2-6, EN60068-2-27, EN60068-2-2, EN60068-2-30
<b>Protection rating frontside</b>	IP65 acc. to DIN60529
<b>Operating temperature</b>	-20°C to +65°C
<b>Storage temperature</b>	-30°C to +80°C
<b>Miscellaneous</b>	counter input up to 100 kHz

We reserve the right to make technical alterations without prior notice. Status: April 3 2009. H248A2

Designed for machinery and vehicle technology the AT6 series offers:

### 2 device alternatives

Version AT68 features 8 function keys, AT67 additionally offers a numeric keypad. Both versions are equipped with 8 status LEDs (available in red or green) which may be applied for visualization of system states and machinery conditions.

### 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

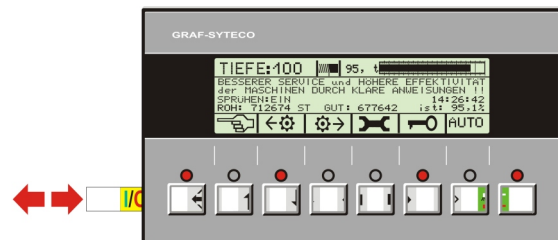
At fluctuating ambient temperature LC displays present an alternating contrast. On this account the current temperature of the display is measured periodically in order to adjust the contrast automatically. In result the user benefits from an optimal display presentation at any operating temperature.

### 2nd CAN bus option

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

### 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.



Operation sample AT68 including retractable labelling strap