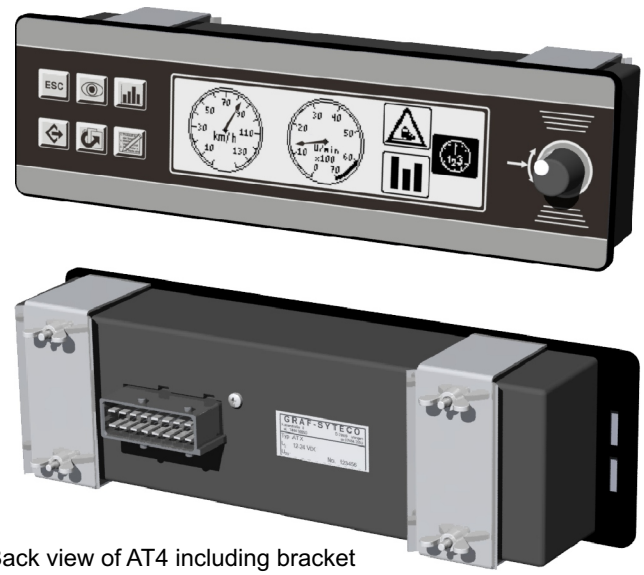

Back view of AT4 including bracket

Technical data:	
Dimensions	w 255 x h 76 x d 65 mm
Mounting hole	w 237 x h 70 mm
Weight	max. 700 gram
Fixture	front panel installation via 2 brackets
Display dimension	125 x 35 mm
Display type	FSTN-LCD, 240 x 64 pixel, supports graphics
Background illumination	LED, Yellow/Green mode, MTBF: 100.000 h
Current consumption	300 mA (on 24V)
Supply voltage	10 - 32 VDC incl. reverse voltage protection
Program/data memory	1,2 MByte Flash, 256 kByte SRAM, 2 kByte EEPROM
Interfaces	CAN ISO11898, RS232
Optional interfaces	2nd CAN, 2. RS232
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	alarm in-/output, fast counter input, real time clock (RTC) optional, programmable CAN-load resistance

We reserve the right to make technical alterations without prior notice. Status: April 3 2009. H244A1

Designed for machinery and vehicle technology the AT4 series offers:

Graphic display unit

AT4 is our medium-sized graphic display unit. It features 6 function keys and a digital potentiometer for operation and navigation. Display content and key functions are freely programmable.

Alternative to TG series

The shape of AT4 is adapted to our text display series TG4000 which have been applied in machinery and vehicles during the 1990s. AT4 and MCM241 present an effective alternative to the former combination TG4000-TG341. A reporting system with 64 inputs displays operation information for the user in a fast and easy way.

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.

Humidity-resistant enclosure

The enclosed construction of the back produces a high resistance to the infiltration of humidity. A membrane integrated in the rear panel controls the pressure compensation between the inner enclosure and the outside under warming or cooling conditions.

Freely writeable function keys

The function keys can be individually labelled via integrated retractable strap.

CE

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