



Designed for machinery and vehicle technology the AT88 offers:

TFT display

AT88 features a QVGA-TFT display with a resolution of 320 x 240 pixel and guarantees an operational reliability in a wide temperature range of -25 °C to +70 °C.

User-friendly operation

The potentiometer allows input and menu navigation via comfortable single-hand control. Illuminated rings around the keys and potentiometer ensure a trouble-free operability at limited visibility conditions such as twilight or at night.

Additional I/Os

AT88 is 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.

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.

Video input

AT88 offers an analogue video input to connect a camera (e.g. rear view camera) or for machinery observation. The camera view can be displayed arbitrarily in full screen, half screen or as extract.

Technical data:

Dimensions	w 204 x h 140 x d 52 mm
Mounting hole	w 190 x h 125 mm
Weight	1300 gram
Fixture	front panel installation via 2 gussets
Display dimension	111 x 83,5 mm
Display type	QVGA-TFT, 320 x 240 pixel
Contrast	85:1
Background illumination	CCFL, white mode, 250 cd/m ² , dimmable
Video	colour, PAL, cinch-connection
Current consumption	600 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	2,2 MByte Flash, 256 kByte SRAM, 2 kByte EEPROM
Interfaces	CAN ISO11898, RS232
Optional interfaces	2 nd CAN, RS422
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	-25°C to +70°C
Storage temperature	-40°C to +95°C
Miscellaneous	counter input up to 100 kHz

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

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