

Energy economy display **Energy 66** clearly arranged rugged and reliable



Energy economy display "ENERGY 66"

General

The Energy economy display "ENERGY 66" offers the numeric visualization of energy- and / or ecological data. It is deliverable in four- and six-line execution in the character heights 60mm, 100mm and 150mm each with six digits per display line. The ENERGY 66 can be used in the indoor and outdoor area.

As indication elements are high quality 7+ Segment-LCD modules mounted. The in the ENERGY 66 used LCD modules convince particularly because of their high life time (approx. 200.000h) best readability, high contour sharpness, large reading angle and minimal power requirement.

Is the energy economy display "ENERGY 66" shined of an external light source so the LCD modules can be driven in the usage category "Reflektiv". In this case the power consumption of the display is extreme low. Is the display driven without an external light source, a maintenance-free backlighting of the LCD display modules provide best readability at darkness and sunshine.

The display case of the ENERGY 66 exists out of an aluminium profile with double chamber, hinged display frontside with gas spring brackets. The case is forced ventilated and protects the electronic from condensation water. The character heights 60mm, 100mm and 150mm cover a reading distance from approx. 7 m upto approx. 50 m. The digits can be represented in the colours yellow, orange and white on dark background at transflective usage and black on bright background at reflective usage. The styling of the fixed texts and graphics is free selectable.

The Energy economy display "ENERGY 66" is deliverable with the following control interfaces:

- RS 232 or RS485 or Ethernet TCP/IP 10/100 or Profibus DP or Profinet
- Analog 0 to 10V or Analog 0(4) to 20mA
- SO-Interface

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Technical data

Application area:	Indoor / Outddor
Technology:	7+ Segment-LCD in execution transflective or reflective
Character height:	60 / 100 / 150mm; Reading distance: Approx. 18m / 30m / 45m
Character colours:	Execution transflective: Yellow, red, green, white or orange on dark background Execution reflective: Black on light background
Number of display lines:	4 or 6; Number of digits per line: 6
Deliverable Interfaces:	RS232, 485, Ethernet TCP/IP, Profibus DP, Analog 0V-10V, 0(4) - 20mA, S0-Interface
Display case:	Aluminiumprofile with double chamber hinged display frontdoor; silver anodized
Case dimensions:	1000x1050 (4-lines; 60mm); 1200x1200 (4-lines; 100mm); 1550x1420 (4-lines; 150mm); 1000x1320 (6-lines; 60mm); 1200x1570 (6-lines; 100mm); 1550x1860 (6-lines; 150mm);
Front glass shield:	Toughened safety glass, not coated; Reflexion reduced glass optional available High performance adhesive film on rear side of the front plate in type monochrom or multi-coloured
Power supply:	230VAC, optional 24VDC
Permissible temperature range:	-10°C upto +55°C inside the case

Ordernumbers

I P - E N G - X X 6 - X X X - X X X

LCD-Modus: T =Transflective (With Backlight
R = Reflective (Without Backlight)

Type: A=Case, B=Frontmounting
Power.: 1=110-230VAC, 2=24VDC

Interface: A=RS232, B=RS485, C=TCP/IP,
E=Profibus DP, F=S0-Interface

Character colour: Y=Yellow, W=White, O=Orange¹)

Character height: C=60mm; D=100mm, E=150mm

Number of characters per display line: 6

Display lines: 4=4 lines, 6=6 lines

Display sides: 1=Onesided, 2=Doublesided

¹⁾ Character colours only in connection with LCD in transflective type

Note: At LCD-Modus "Reflekctive" (Without backlight with external optional lightning the character colour is black on light background)