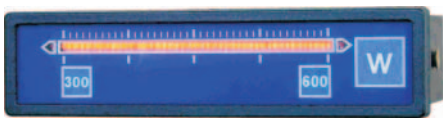
60 point LED bargraph AP560

Selectable bar or dot display
Current or voltage input
Out of range indication
Upper and lower limit indication
Front panel 24 x 96 mm
Made in accordance with the CE and EMC regulations



AP560 has a selectable 60 point bar or dot indication.
2 out of range dots indicates if the input signal is smaller than 0% or higher than 100% of the selected display range.
It is also possible to adjust 2 visual limit indications.
If the actual input signal exceeds the set limits, the active bar dots will flash, and the set dots is on steady light.
MIN, MAX and UNIT indication is placed behind the front label for horisontal or vertical graph.

Technical data:

Supply voltage: 9-36 VDC / 9-26 VAC
The supply voltage is galvanically isolated from the internal electronics.
(test voltage 4 kV AC)

Power consumption: 1 VA

Operating temp.: -10°C to +50°C

Humidity: 0 - 90% RH, non-condensing

Protection: IP 54

Temp.coefficient: max. 0,01% / °C

Metering ranges: 0-100 mV, 0-1 V, 0-10 V, 0-20 mA and 4-20 mA.

Input impedances: Voltage metering: >100 kΩ
Current metering: typ. 75 Ω

Range adjustment: Offset (minimum scale): 0% potentiomer adjustable from 0 - 80% of selected metering range.
Span (maximum scale): 100% potentiometer adjustable from 50% to 250% of the metering range.

Dot size: 1x1 mm red LED.

Mech. dimensions:
L x W x D: 24 x 96 x 66 mm.
Panel cut-out: 21 x 90 mm.
Weight: 100 g.
Materials: NORYL2, SE1

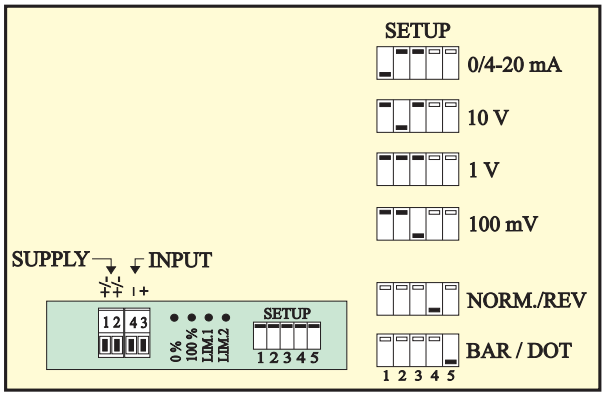
Connections: screw terminals, max. 1,5 □ mm.

EMC and safety regulations.

Emmision: EN 50 081 - 1
Immunity: EN 50 082 - 2
Safety: EN 60 730

Approvals: The units are produced in accordance with the CE and low voltage regulations.

Calibration:



1: On dip 1-2-3 select the wanted input range.

2: Connect the wanted minimum signal to the input and adjust for wanted minimum display with 0% potmeter.

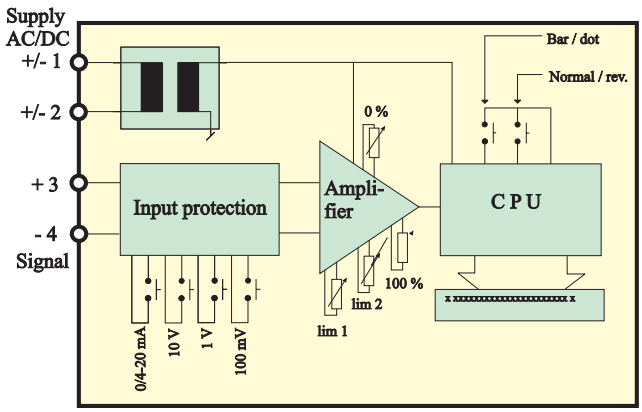
3: Connect the wanted maximum signal to the input and adjust for wanted maximum display with 100% potmeter.

4: Check min and max display and readjust if needed.

5: Select display options (bar/dots and normal/reverse) on dip 4-5.

6: Adjust min and max limits on LIM1 and LIM2 potmeters if wanted.

Block diagram:



Comadan Produktion a/s