

LOOP PANEL METERS

ADIP300/400 / DGN45L/75L

ARDETEM

SFERE



♦ 2 display versions:

ARDETEM refer. SFERE refer.

ADIP 300 DGN45L ± 2000 points

ADIP 400 DGN75L ± 10000 points

Features:

- 2 wire LCD panel meter
- Configurable rear-lighting
- Configuration from the front face without current generator.
- 2 programmable alarm setpoints (option R)
- IP65 front face protection.

These panel meters are self-powered by the 4/20 mA loop.

Functions

The ADIP300/ADIP400 or DGN45L/DGN75L is a fully programmable digital panel meter. It is equipped with a microprocessor and a 4-key keyboard on front face, allowing an easy configuration of the display scale, without need to use a current generator.

4/20 mA loop load corresponding to a voltage drop < 1.5 Vdc at 20mA (rear-lighting switched off).

Reversed display possible.

♦ **Quick reading on the display:**

Of the min. and max. measures
Visualisation of the input electrical value.

♦ **Input scale overstepping:**

The meter will show a caliber overstepping by a message.

♦ **Access code:**

Possibility to protect the programming.

♦ **Display:**

- LCD display, 16mm high, with rear-lighting.
- Display scale and place of the decimal point configurable by the user by 4 keys on the front face.
- Possibility to adjust the intensity of the rear-lighting (0-50-100%) by the positioning of 3 jumpers located on the rear face of the meter. Note that the voltage drop is proportional to the intensity of the rear-lighting.

Intensity of the rear-lighting	Max. voltage drop at 20mA
0%	< 1.5 Vdc
50%	< 6.5 Vdc
100%	< 10.5 Vdc



Features of the inputs

Designation	Type	Accuracy (at +23°C)	Thermal drift	Measure range	Features
Process ADIP300/DGN45L ADIP400/DGN75L	DC current 4/20 mA	0.1% of the measure range	<100ppm /°C	from 3.6 to 23 mA	Programmable scale factor. Sampling time: 400ms. Response time (0 to 90%): < 2s without alarms < 2.5s with alarms Dynamics of the input signal: 15 bits

Option/coding

Designation	Type	Features
Alarm outputs R	R: 2 NAMUR type alarm outputs Programmable setpoint mode	Recording of the alarms. Hysteresis independently programmable from 0 to 100% of the setpoint in the display unit. Time delay independently programmable from 0 to 25 sec., in 1 sec. increments Visualisation of the status on front face Not isolated from the input.
ADIP300/DGN45L ADIP400/DGN75L	± 2000 points (16mm) ± 10000 points (16mm)	Display resolutions: ±1999 points ±9999 points Measure scale: from 0 to 3998 points from 0 to 19998 points

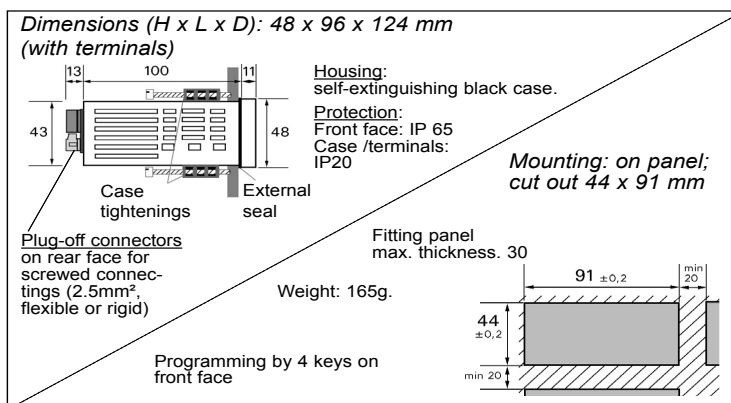
Description

Rejection rate:

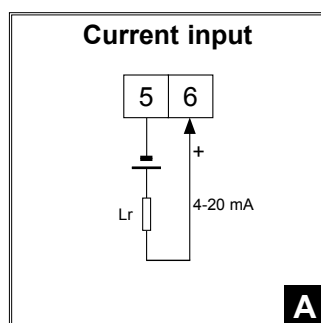
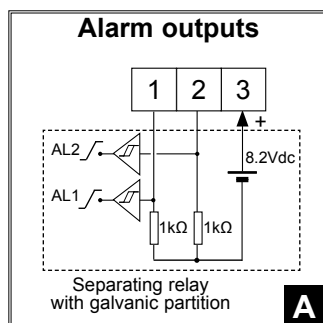
Mode common: 115dB
Mode series: 60dB 50/60Hz

Environment:

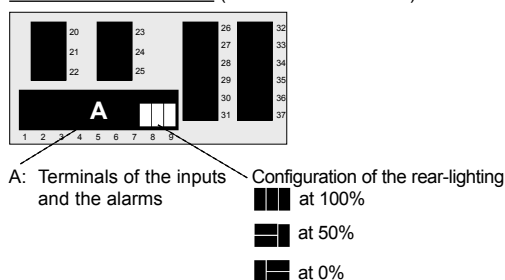
- Operating temperature: -20 to +60°C.
- Storage temperature: -30 to +80°C.
- Relative dampness: 80% annual average.
- CE marking
- Complies with the standards IEC 61000-6-4 on rejections and IEC 61000-6-2; immunity (in industrial environment) IEC 61000-4-2 level 3, IEC 61000-4-3 level 3, IEC 61000-4-4 level 4, IEC 61000-4-6 level 3.



Connectings



Location of the terminals (view of case rear face)



This appliance is designed for industrial applications. It has to be installed in an electrical cabinet, or equivalent.



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