

**Product Data Sheet**

SD 8612-2E01

August 2008

# **Damcos® Analog Indicators**

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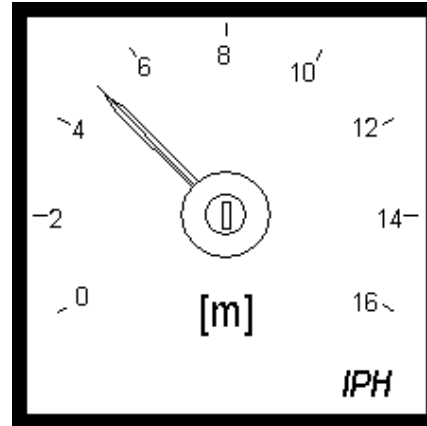
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**EMERSON™**  
Process Management

# Damcos® Analog Indicators

## Advantages

- 4 - 20 mA input.
- Temperature range from -25°C to +50°C.
- 2 instrument sizes: 96 x 96 mm and 144 x 144 mm with 90° or 240° scale.
- Approved by the maritime classification societies.
- Accuracy: Class 1.5.
- Customer specified scales.
- Interchangeable scale on the 90° types.



## Description

DKMS electrical indicators to be applied in connection with level and tank contents gauging.

Instrument house corresponds to DIN-43700. The boxes are made of magnetic sheet metal, which provides additional protection against external magnetic fields. An important feature for instruments mounted in panels with other electrical equipment.

Instruments are supplied with small frames according to DIN-43718.

The standard colour is black RAL 9005. At request gray frame RAL 7037 is available.

The accuracy of the instruments corresponds to class 1.5. I.e. the max. tolerated error is  $\pm 1.5\%$  of the final scale and value, for any measurement.

The instruments will withstand 20 % continuous current overload.

The standard test voltage is 2000 V - 50 Hz for one minute.

The class 1.5 measuring instrument operate between -25° C and +50° C. however, the temperature range, according to international standards allowed for guaranteed accuracy lies between 10° C and 30° C.

The instruments withstand minimum vibrations of  $\pm 0.25$  mm amplitude at a frequency of 50 Hz, corresponding to 2.5g.

The vibrations may be imposed in 3 mutually perpendicular directions for 20 minutes.

The instrument withstand shocks in 3 mutual perpendicular directions, even when applying 5 consecutive shocks at an acceleration of 15 g. This is achieved by high quality shock-proof spring pivots.

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## Specifications

Input:	4 - 20 mA
Internal resistance:	40 ohm
Front dimensions:	96 x 96 mm and 144 x 144 mm
Accuracy:	Class 1.5
Ambient temperature:	-25° C to +50° C
Protection class:	The degree of protection of the enclosure is IP-54.
Mounting position:	The normal execution of our instruments is for vertical mounting $\pm 5^\circ$ .

## Maritime approvals

Lloyd's Register of Shipping  
Det Norske Veritas  
Bureau Veritas

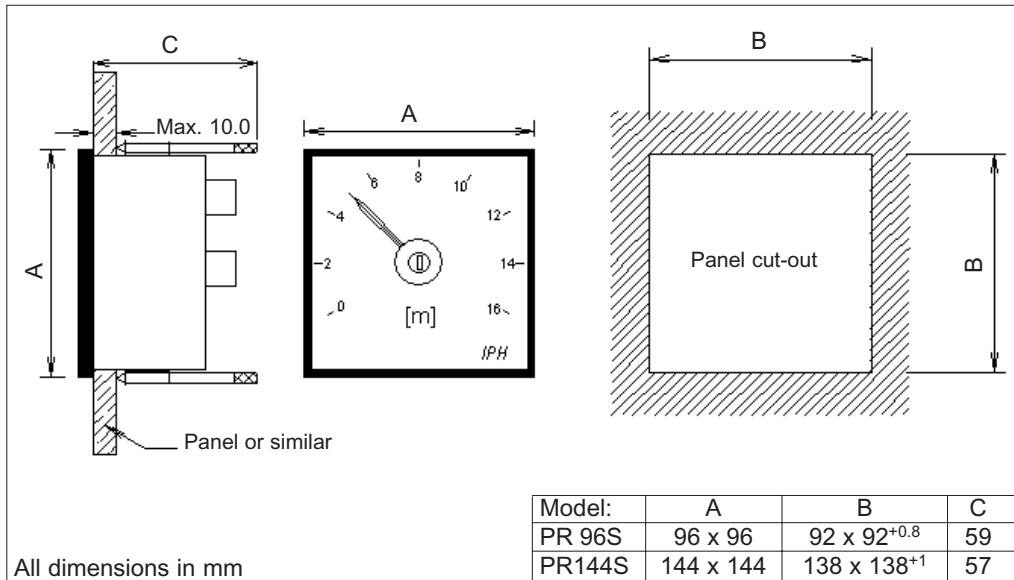
## Ordering instructions

Following details to be informed when ordering:

Size of instrument: 96 x 96 mm  
144 x 144 mm  
Scale: 90° or 240°  
Scaling data

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## Dimensions



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This product is developed and managed by:  
Emerson Process Management

Damcos A/S  
Aaderupvej 41  
DK-4700 Naestved  
T +45 5578 7200  
F +45 5578 7272

For global contacts:  
[www.EmersonProcess.com/marine](http://www.EmersonProcess.com/marine)