

Loop-powered 4-20 mA instrument
Separate zero- and span adjustments
Universal 3 1/2 digit LCD-display
2 versions, for panel or wall mounting
Made in accordance with the CE and EMC regulations



DCL35 is a universal 3½-digit panel instrument with 4-20 mA combined input signal and supply. The instrument has an adjustable display range between -1999 og +1999. The instrument can be used in connection with all C-mac converters and relays with 4-20 mA analogue outputs.

The instrument has an extremely low power consumption, which means the voltage drop on the current loop is as low as 4 V.

Technical data:

Supply voltage:	4-20 mA current loop
Voltage drop:	< 4 V
Power consumption:	max. 80 mW
Operation temp.:	-10°C to +50°C
Humidity:	0 - 90% RH, non-condensing
Protection:	IP 55, for panel mounting IP 65, for wall mounting
Digit height:	12.5 mm LCD digits
Adjustments:	Trimming potentiometers and switches on the back of the instrument.
Zero:	range: -1999 to +1999
Span:	0 to 1999
Decimal point:	selectable after digit 1, 2 or 3
Linearity:	± 1 count
Temp. drift:	< 0.01%/°C/FS
Mechanical dimensions:	
<u>DCL35-P</u>	
L x W x D:	96 x 48 x 85 mm.
Panel cut-out:	43 x 91 mm
Weight:	120 g.
Materials:	NORYL, SE1
<u>DCL35-W</u>	
L x W x D:	115 x 65 x 40 mm.
Weight:	150 g.
Materials:	ABS
Connections:	screw terminals, max. 1,5 mm.
pin 1-2:	supply / metering input

Adjustments:



Range adjustment:

1. Connect 4 mA to the instrument
2. On the 0% potentiometer adjust for wanted minimum reading
3. Connect 20 mA to the instrument
4. On the 100% potentiometer adjust for wanted maximum reading
5. Repeat step 1-4 for check and fine-adjustment.

Ordering guide:

DCL35-P (panel mount)

DCL35-W (wall mount)