

Connections for 1 to 4 load cells

Tare function and automatic zero setting

Supply voltage 9-35 VDC (12-26 VAC)

Programming on keypad or RS 485

Front dimensions: 72 x 72 mm, 13 mm LED display

Made in accordance with the  and EMC regulations



DP570 is used for industrial instrumentation, where you want to monitor weight or mechanical load in a control panel.

The instrument is also available as a counting scale. Optionally the instrument is available with 1 analogue 4-20 mA metering output and 1 programmable digital output, or with RS485 / CAN connection.

The instrument is operated on the keypad on the front or via RS485 interface (option 2). It is possible to enter the load cell data, in this way you can change a load cell without recalibration of the instrument

The following data are programmable:

Zero and span adjustment of the display, light intensity, reaction delay, decimal point, load cell data, digital input function, keypad function, RS485 parameters and aut. zero parameters.

With option 1 setpoints, hysteresis etc. are also programmable.

Additional informations: See programming manual.

Technical data:

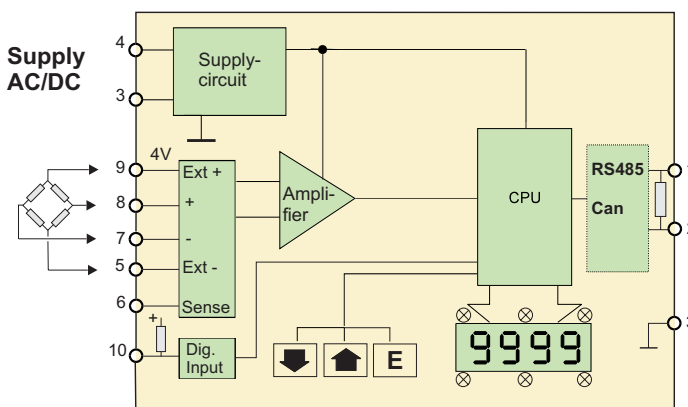
Supply voltage:	9-35 VDC / 12-26 VAC
Power consumption:	typ. 15 mA @ 24 VDC (with one 350 load cell)
Operating temp.:	-10°C to +50°C
Humidity:	0 - 90% RH, non-condensing
Protection:	IP 65 (front)
Temp.coefficient:	max. 0.01% FS/ °C
Linearity:	+/- 0.1% FS
Display range:	-999 to 9999
Calibration accuracy:	better than +/- 0.5% FS
Metering range:	0.25-30 mV/V exc. (load cells)
Exc. voltage:	typ. 4 VDC
Max. metering range:	0-200 mV (direct metering)
Resolution:	min. span 1 mV for 9999 counts
Dimensions:	according to DIN 43700
L x W x D:	72 x 72 x 67 mm

EMC-data:

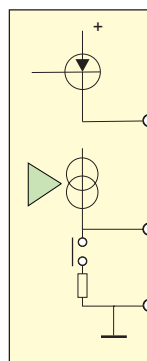
Emission:	EN 50081-2
Immunity:	EN 50082-2
Safety:	EN 60730

Block diagram:

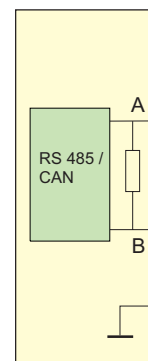
Shown with option 2



Option 1:



Option 2:



Ordering guide:

Type:	Option	Metering range
DP571-1	0 = indicator only 1 = 0/4-20 mA and 1 digital 2 = RS485 3 = CAN	1 = 2 mV/V exc. x = special
Example: DP571-1-0-1		