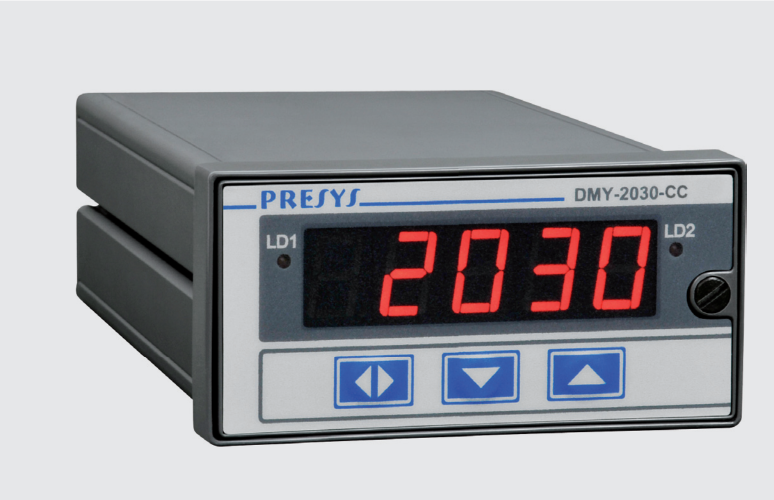
PRESYS



Digital Indicator for Load Cell DMY-2030-CC

- Specially developed for use with load cell.
- Input range from -30 mV to 30 mV.
- Indication with peak hold, minimum and maximum.
- 10V / 100mA power supply for load cell.
- TARE function configurable.

Order Code DMY-2030-CC - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Output 1
0 - None
1 - 4-20 mA
2 - 1-5 Vdc
3 - 0-10 Vdc
4 - SPST Relay
5 - Open Collector Voltage
6 - Solid State Relay

Output 2
0 - None
1 - SPDT Relay
2 - Open Collector Voltage
3 - Solid State Relay

Output 3
Same code as Output 2

Power Supply
1 - 75 to 264 Vac 50/60 Hz or 100 to 360 Vdc (any polarity)
2 - 24 Vac or 24 Vdc (±10 %)
3 - 12 Vdc (±10 %)
4 - Others, upon request

Communication
0 - None
1 - RS-232
2 - RS-485
3 - RS-422

Case Protection Grade
0 - General usage, protected place
1 - Front Aspersion-proof
2 - Weather-proof - IP 66
3 - Explosion-proof (Ex d IIB T6 Gb IP 66), horizontal display*

* Explosion-proof box:
Dimensions
310 x 310 x 200 mm (HxWxD)
Weight
11 kg nominal

Specifications

Inputs
One -30 to 30 mV input.
Input impedance >10 MΩ.

Outputs
4-20 mA (750 Ω maximum load), 1-5 Vdc or 0-10 Vdc analog retransmitter. Galvanically isolated module to 300 Vac from power supply and inputs, one SPST relay module (replacing the analog output) and up to 2 SPDT relay modules, rated for 3A/220 Vac. Logic signal, open collector transistor, 24 Vdc/40 mA maximum with isolation. Solid state relay, 2A/250 Vac with isolation.

Serial Communication
RS-232 or RS-422/485 with 50 Vdc isolation. MODBUS®-RTU Communication Protocol.

Indication
4 ½ digit red leds display (14 mm).
Can be configured together with the decimal point.

Configuration
By front-panel push-buttons and internal jumpers.

Sampling Rate
64 ms standard.

Accuracy
± 0.1 % of full scale for inputs.
± 0.5 % of full scale for analog retransmitter output.

Span Temperature Coefficient
± 0.005 % of span / °C using 25 °C as the reference temperature.

Power Supply for load cell
10 Vdc/100 mA.

Power Supply
75 to 264 Vac 50/60 Hz or 100 to 360 Vdc
(10 W nominal); 24 Vac/dc (±10 %); 12 Vdc (±10 %).

Operating Ambient
0 to 60 °C temperature and 90 % maximum relative humidity.

Dimensions
1/8 DIN (48 x 96 x 187 mm) HxWxD, (45 x 92 mm) HxW panel cutout.

Weight
0.5 kg nominal.

Warranty
One year.

PRESYS®

MANAGEMENT SYSTEM TÜVRheinland Brasil NBR ISO 9001 QUALITY