

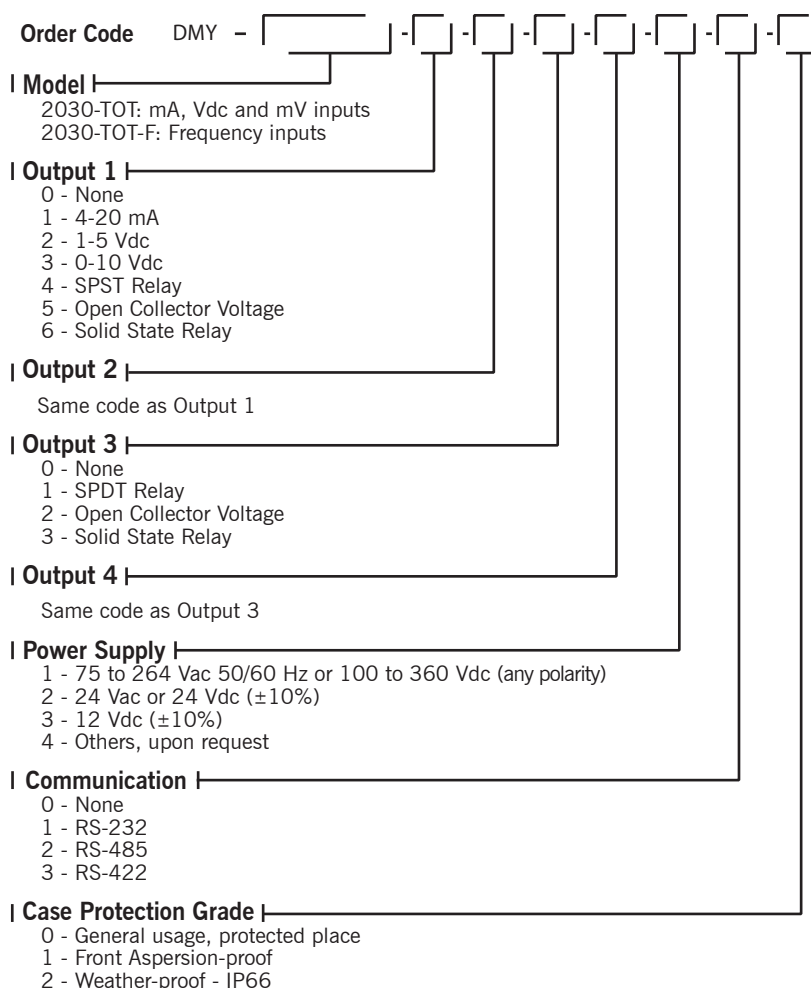


# Process Indicator and Totalizer Dual

## DMY-2030-TOT

## DMY-2030-TOT-F

- DMY-2030-TOT: Two inputs for mV, 4-20 mA, 1-5 Vdc and 0-10 Vdc.
- DMY-2030-TOT-F: Two frequency inputs up to 30 kHz, from 300 mVpp to 30 Vpp.
- 8-digit display.



**Dimensions**  
310 x 310 x 200 mm (HxWxD)

**Weight**  
11 kg nominal

### Specifications

#### Inputs

**DMY-2030-TOT:** Two configurable inputs 0-55 mV, 4-20 mA, 1-5 Vdc and 0-10 Vdc. 4-20 mA with input impedance of 250  $\Omega$ . >10 M $\Omega$  up to 5 Vdc and 2 M $\Omega$  above 5 Vdc.

**DMY-2030-TOT-F:** Two frequency inputs for signals up to 30 kHz, from 300 mVpp to 30 Vpp.

#### Outputs

4-20 mA (750  $\Omega$  maximum load), 1-5 Vdc or 0-10 Vdc analog retransmitter. Up to 2 galvanically isolated modules to 300 Vac from power supply and inputs. Up to 2 SPDT relay modules and up to 2 SPST 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

8-digit red leds display (9 mm) for totalization and 5-digit for indication. Can be configured together with the decimal point.

#### Totalization Range

0 to 99999999 configured together with the decimal point.

#### Configuration

By front-panel push-buttons and internal jumpers.

#### Sampling Rate

120 ms standard. One second display update rate.

#### Accuracy

$\pm 0.1\%$  of full scale for TC, RTD, mA, mV and Vdc.  
 $\pm 0.5\%$  of full scale for analog retransmitter output.  
 $\pm 1$  Display resolution for frequency input.

#### Square Root Extraction

$\pm 0.5\%$  of reading, for input above 10 % of span. Programmable Cut-off from 0 to 5 %.

#### 2-wire Transmitter Power Supply

24 Vdc/50 mA maximum, isolated from output with short circuit protection.

#### Span Temperature Coefficient

$\pm 0.005\%$  of span /  $^{\circ}\text{C}$  using 25  $^{\circ}\text{C}$  as the reference temperature.

#### Power Supply

75 to 264 Vac 50/60 Hz or 100 to 360 Vdc (10 W nominal); 24 Vac/dc ( $\pm 10\%$ ); 12 Vdc ( $\pm 10\%$ ).

#### Operating Range

0 to 60  $^{\circ}\text{C}$  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.