

METER SELECTION GUIDE



Model No.	iSeries	LDPF63000	DPF301	DPF60	LVCN-301	DPF401	DPF701	DPF53	DPF940000	DPF9100
Page Number	M-35	M-33	M-29	M-21	omega.com/lvcn300	M-11	M-5	M-9	M-15	M-17
Inputs										
No. of Inputs	1	2	1	1	1	1	1	1	1	1
Sinewave		✓				✓	✓			✓
Squarewave		✓				✓	✓		✓	✓
Current and Voltage Inputs	✓		✓	✓	✓	✓		✓		
Temperature Sensors	✓									
Display										
Resolution	0.1, 1		0.001, 0.01, 0.1, 1	0.01, 0.1, 1	0.01, 0.1, 1	0.01, 0.1, 1	0.01, 0.1, 1	0.001, 0.01, 1		0.001 to 1
No. of Digits	4	5.8	4½, 8	6	4	6	6	3½	6	6
Display Height mm (in)	10.2 (0.4) 21 (0.83)	38 (1.5)	8.89 (0.35)	14 (0.55)		13.7 (0.54)	14.2 (0.56)	14.2 (0.56)	7.62 (0.30)	
Panel Cutout (DIN)	½, ⅓, ¼, ⅛	10 x 4.75"	3.06" Dia.	⅛	16.75 x 10.25"	⅛	⅛	⅛	⅛	⅛
Wall Mount			✓							
NEMA	4X	4	4X	4X				4X	4X	4X
Features										
Totalization		✓	✓	✓		✓	✓		✓	✓
Rate Indication	✓	✓	✓	✓	✓	✓	✓	✓		✓
Math Function										
Linearization			✓							✓
Square Root Function			✓	✓						
Power										
110 Vac	✓	✓		✓	✓	✓	✓	✓	✓	✓
230 Vac	✓	✓		✓		✓	✓	✓	✓	✓
DC option	✓			✓	✓			✓	✓	
Battery Option										
Loop Powered			✓							
Sensor Excitation						✓	✓	✓	✓	✓
Outputs										
Analog Output	✓	✓		✓		✓	✓			✓
Relay Contact Rating	3A	3A		5A	10A	7A	5A		5A	5A
Communications										
RS232	✓	✓		✓		✓	✓			✓
RS485	✓	✓				✓			✓	✓
RS422				✓						
Ethernet	✓	✓								
Explosion Proof			✓							



Model No.	DPF5100	DPF6100	DPF708/808	DPC10	DPF76	DPF82	DPF11	DPF-310	FC-21	DP-F31
Page Number	M-6	M-7	M-13	M-31	M-22	M-19	M-23	M-25	M-27	M-24
Inputs										
No. of Inputs	1 or 2	1 or 2	1	1	1 or 2	1 or 2	1	1	3	1
Sinewave	✓	✓	✓	✓	✓	✓	✓		✓	✓
Squarewave	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Current and Voltage Inputs	✓	✓	✓					✓	✓	✓
Temperature Sensors			✓						✓	
Display										
Resolution	0.01, 0.1 1	0.01, 0.1 1		0.0001 0.001, 0.01 0.1, 1°	0.01, 0.1 1	0.01, 0.1 1	0.01, 0.1 1		2-20 Alpha.	0.001 0.01 0.1, 1
No. of Digits	6	6	4	8	6	6	5	8	6/13	8
Display Height mm (in)	14.2 (0.56)	14.2 (0.56)		14.2 (0.56)	14 (0.55)	14 (0.55)	14 (0.55)		7.6 (0.3)	14 (0.55)
Panel Cutout (DIN)	1/8	1/8	1/8, 1/4	1.3 x 2.7"	1/8	1/8	1/8	2.5 x 7.375"	2.7 x 5.4"	2.49 x 7.36"
Wall Mount									✓	
NEMA				4X	4X	4X	4X	4X	4X	4X
Features										
Totalization	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rate Indication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Math Function					✓	✓	✓			
Linearization								✓	✓	✓
Square Root Function								✓	✓	✓
Power										
110 Vac	✓	✓	✓		✓	✓	✓	✓	✓	✓
230 Vac	✓	✓	✓		✓	✓	✓	✓	✓	✓
DC option	✓	✓	✓			✓			✓	✓
Battery Option				✓						
Loop Powered										
Sensor Excitation	✓	✓			✓	✓	✓	✓	✓	✓
Outputs										
Analog Output	✓	✓			✓	✓	✓	✓	✓	✓
Relay Contact Rating	8A	8A			5A	5A	5A		5A	10A
Communications										
RS232	✓	✓			✓		✓		✓	✓
RS485									✓	
RS422					✓		✓			✓
Ethernet										
Explosion Proof									✓	



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• Temperature

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters