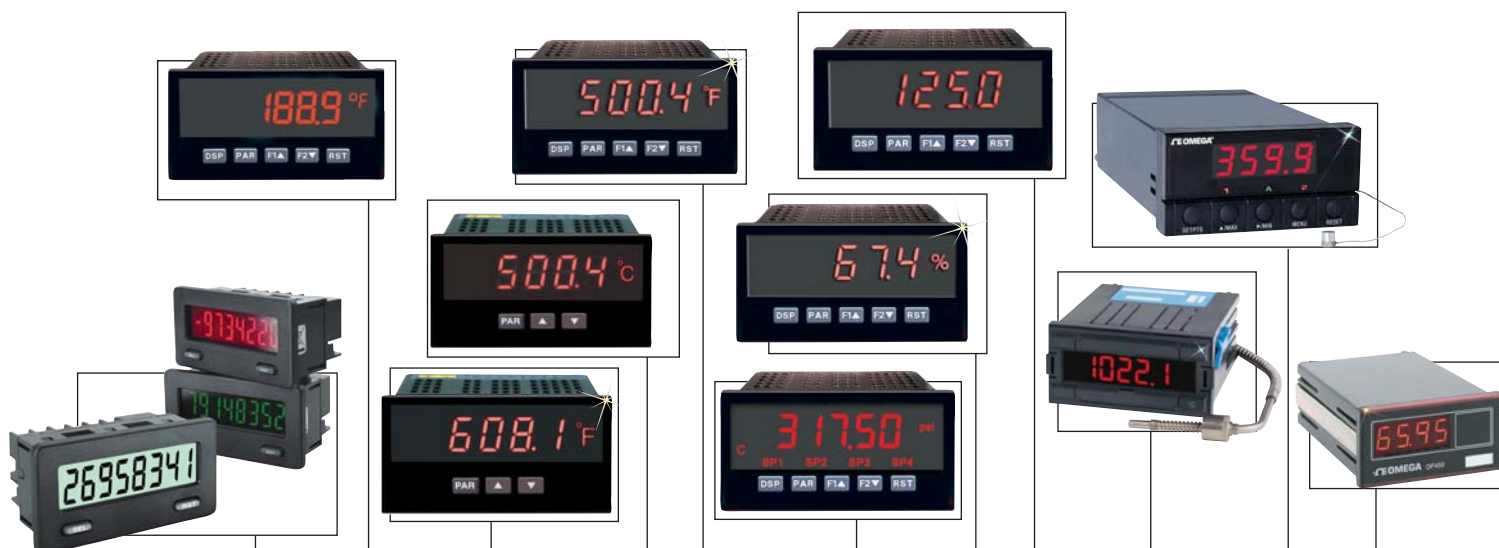


Meter Selection Guide



Model No.	i Series	DP116	DP119	DP7000	DP24-T	DP24-E	DP25B	DP26	DP25-TH	DP41B/DP41 Series	DP2000
Starting Price	\$150	\$195	\$225	\$83	\$225	\$195	\$245	\$345	\$245	\$595	\$250
Page No.	M-9	M-15	M-16	M-17	M-18	M-19	M-20	M-23	M-25	M-27/31	M-35
Inputs											
No. of Inputs	1	1	1	1	1	1	1	2	1	1	1
Selectable Inputs	✓			✓	✓	✓	✓	✓		✓	
Thermocouples	J, K, T, E, R, S, B, C, N, (J DIN)	J, K, T, E	J, K, T, E	J, K	J, K, T, E, N, R/S J DIN		J, K, T, J DIN	J, K, T, J DIN		J, K, T, E, R, S, B, N, J DIN	J, K, T
RTD	2-, 3-, 4-Wire 100, 500, 1000 Ω	2-, 3-, 4-Wire 100 Ω	2-, 3-, 4-Wire 100 Ω				2-, 3-, 4-Wire 100 Ω	2-, 3-, 4-Wire 100 Ω		2-, 3-, 4-Wire 100 Ω	2-, 3-, 4-Wire 10, 100 Ω
Thermistor									✓		
Process Inputs	✓					✓	✓			✓	✓
Other Input Types											✓
Display											
Engineering Units Available	°C, °F	°C, °F	°C, °F	°C, °F	°C, °F		°C, °F	°C, °F	°C, °F	°C, °F, °K	°C, °F
Resolution	0.1, 1°	0.1, 1°	0.1, 1°	1°	0.1, 1°	0.001, 0.01, 0.1, 1	0.1, 1°	0.1, 1°	0.01°, 0.1° 1°	0.01° 0.1, 1°	0.1, 1°
No. of Digits	4	3.5	3.5	3	4	4	4	4	4	6	3.5
Display Height (in)	0.4, 0.83	0.56	0.56	0.5	0.56	0.56	0.56	0.56	0.56	0.68	0.56
Mounting											
Panel Cutout (DIN)	1/32, 1/16, 1/8	3/64	1/8		1/8	1/8	1/8	1/8	1/8	1/8	1/8
Benchtop											
Wall Mount											
Power Supply											
Universal 110-230 Vac	✓			✓						✓	
115/230 Vac Models	✓	✓	✓		✓	✓	✓	✓	✓		✓
Low Voltage Option	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Outputs											
Analog Output	✓	✓	✓				✓	✓	✓	✓	✓
Alarms	✓			✓			✓	✓	✓	✓	✓
Relay Contact Rating				15 A			6 A	6 A	5 A	5 A, 3 A	10 A
Latching Alarms	✓						✓	✓	✓	✓	✓
Alarm Hysteresis Programmable	✓			✓			✓	✓	✓	✓	✓
Communications Options											
Ethernet	✓									✓	
RS232	✓									✓	
RS485	✓									✓	
Software Package	✓									✓	
Approvals	EMC SERVICES cUL US CE	EMC SERVICES CE	EMC SERVICES CE	UL CE	EMC SERVICES cUL US CE	EMC SERVICES cUL US CE	EMC SERVICES cUL US CE	cUL US CE	cUL US CE	EMC SERVICES UL* CE	CE

*DP41 only



Model No.	DP63000	DP63400	DP63300	DP63200	DP63500	DP63800	DP63600	DP63700	DP18	DP25-VRMS DP25-CRMS	DP450
Starting Price	\$125	\$201	\$186	\$186	\$243	\$243	\$254	\$317	\$189	\$345	\$159
Page No.	M-43	M-47	M-49	M-51	M-52	M-55	M-57	M-59	M-61	M-66	M-67
Inputs											
No. of Inputs	1	1	1	1	1	1	1	1	1	1	1
Selectable Inputs	✓										
Thermocouples	J, K, T, E R, S, B, N	J, K, T, E, R S, B, N, C	J, K, T, E R, S, B, N, C		J, K, T, E R, S, B, N, C				J, K, T E, S, R		
RTD	2-, 3-, 4-Wire 100, 120 Ω Nickel 10 Ω Copper	2-, 3-, 4-Wire 100, 120 Ω Nickel 10 Ω Copper	2-, 3-, 4-Wire 100, 120 Ω Nickel 10 Ω Copper	3- Wire 100 Ω	2-, 3-, 4- Wire 100, 120 Ω Nickel 10 Ω Copper				2-, 3-Wire 100 Ω		
Thermistor											
Process Inputs	✓					✓	✓		✓		✓
Other Input Types					✓		✓	✓	✓	✓	✓
Display											
Engineering Units Available	C, F Various	C, F	C, F	C, F	C, F	Various	Various	Various	°C		
Resolution	0.1, 1	0.1, 1	0.1, 1	0.1, 1	0.1, 1	0.001 0.01, 0.1, 1	0.001 0.01, 0.1, 1	0.001 0.01, 0.1, 1	0.1, 1°	0.1, 1	0.001 0.01, 0.1, 1
No. of Digits	5	4.5	4	4	4.5	4.5	4.5	4.5	3.5	4	3.5
Display Height (in)	0.48	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
Mounting											
Panel Cutout (DIN)		½	½	½	½	½	½	½	½	½	½
Benchtop											
Wall Mount											
Power Supply											
Universal 110-230 Vac	Optional	✓	✓	✓	✓	✓	✓	✓			
115/230 Vac Models									✓	✓	✓
Low Voltage Option	✓	✓	✓		✓	✓	✓		✓		
Outputs											
Analog Output					✓	✓	✓	✓	✓	✓	
Alarms	✓				✓	✓	✓	✓	✓	✓	✓
Relay Contact Rating					3 A or 5 A	3 A or 5 A	3 A or 5 A	3 A or 5 A	2 A	6 A	5 A
Latching Alarms	✓				✓	✓	✓	✓	✓	✓	✓
Alarm Hysteresis Programmable	✓				✓	✓	✓	✓	✓	✓	
Communications Options											
Ethernet											
RS232	✓				✓	✓	✓	✓		✓	
RS485	✓				✓	✓	✓	✓		✓	
Software Package	✓				✓	✓	✓	✓			
Approvals	cUL US CE	cUL US CE	cUL US CE	cUL US CE	cUL US CE	cUL US CE	cUL US CE	UL CE	CE	CE	

Meter Selection Guide



Model No.	DP3300	DP460, DP461, DP462	DP81, DP82, DP85, DP86	400B	DP1000, DP1001A DP1096	DP470	CN101 CN102	CN606 CN612	iLD	LDP-1
Starting Price	\$345	\$249	\$599	\$439	\$159	\$349	\$620	\$590	\$795	\$845
Page No.	M-69	M-71	M-73	M-77	M-80	M-81	M-84	M-85	M-87	M-93
Inputs										
No. of Inputs	2	1-6	1-24	1-10	6 or 7	1, 3, 6	6	6 or 12	1	1
Selectable Inputs		✓	✓	✓	✓	✓			✓	
Thermocouples	J, K, T, E, R, S, B, Nick-Moly	J, K, T, E, R, S, B	J, K, T, E, R, S, B, N, C, G, D, T-DIN, CH-GOLD, J-DIN	J, K, T, E, S, R, B	J, K, T	J, K, T, E, R, S	J, K, T, E, R, S	B, C, E, J, K, R, S, T	J, K, T, E, R, S, B, C, N, (J DIN), L	J, K, T, E, R, S
RTD	100 Ω	2-, 3-Wire	2-, 3-, 4-Wire 10, 100 Ω	2-, 3-, 4-Wire 100, 120, 1000 Ω	2-Wire	2-, 3-, 4-Wire 100 Ω	2-Wire 100 Ω	2-, 3-Wire 100 Ω	2-, 3-, 4-Wire 100, 500, 1000	2-, 3-Wire 100 Ω
Thermistor	✓		✓							
Process Inputs	✓	✓	✓	✓		✓			✓	✓
Other Input Types										
Display										
Engineering Units Available	Various	°C, °F	°C, °F, °K, Custom	°C, °F	°C, °F	°C, °F	°C, °F	°C, °F	°C, °F	°C, °F
Resolution	0.1, 1°	0.1, 1°	0.1, 1°	0.1, 1°	0.1, 1°	0.1, 1°	1°	1°	0.1, 1°	0.1, 1°
No. of Digits	7	4	4 or 5	4 or 5	3.5	4	4	4	4 or 6	4
Display Height (in)	0.39	0.56	0.54	0.8	0.56	0.56	0.56	0.56	2.25 or 4	2.3 or 4
Mounting										
Panel Cutout (DIN)	1/8	1/8	Panel/Bench		1/4	1/8	1/4	1/4		
Benchtop			✓							
Wall Mount									✓	✓
Power Supply										
Universal 110-230 Vac					✓	✓			✓	
115/230 Vac Models	✓	✓	✓	✓			✓	✓		✓
Low Voltage Option	✓	✓	✓			✓				
Outputs										
Analog Output			✓			✓	✓		✓	
Alarms	✓	✓	✓			✓	✓	✓	✓	
Relay Contact Rating	0.5 A	5 A	1 A			5 A	5 A	5 A	3 A	
Latching Alarms	✓	✓	✓			✓	✓	✓	✓	
Alarm Hysteresis Programmable	✓		✓			✓		✓	✓	
Communications Options										
Ethernet									✓	
RS232			✓		✓	✓		✓	✓	
RS485									✓	
Software Package						✓		✓	✓	
Approvals								UL US CE	CE	CE

**Additional High-Accuracy
Thermometers Featured in
Section K (i.e. See DP97,
DP95, DP250
for Benchtop Style)**



Model No.	LDP63000	LDP63100	MDS41	MDSi8	5830	FOB100	DPS3301	DPS3311	DPS3300	7000	DP750
Starting Price	\$471	\$696	\$720	\$415	\$799	\$2995	\$345	\$345	\$445	\$900	\$40
Page No.	M-95	M-100	M-105	M-107	M-110	M-111	M-113	M-115	M-117	M-131	M-133
Inputs											
No. of Inputs	1	1	1	1 or 10	5	1, 2 or 4	1	1	4 or 7		
Selectable Inputs			✓								
Thermocouples	J, K, T, E, R, S, B, N, C	J, K, T, E, R, S, B, N, C	J, K, T, E, R, S, B, N, J DIN	J, K, T, E, R, S, B, N, C J DIN			J, K, T, E, R, S, B		J, K, T, E, R, S, B	J, K, T, R	
RTD	2-, 3- 4-Wire 100, 120 Ω Ni 10 Ω Cu	2-, 3- 4-Wire 100, 120 Ω Ni 10 Ω Cu	2-, 3-, 4-Wire 100 Ω	2-, 3-, 4-Wire			2- wire 100 Ω		2- wire 100 Ω		
Thermistor					✓		✓		✓		✓
Process Inputs	✓	✓	✓	✓				✓	✓		
Other Input Types	✓					Fiber Optic					
Display											
Engineering Units Available	°C, °F, various	°C, °F, various	°C, °F, °K	°C, °F	°C, °F	°C, °F	°C, °F	Various	°C, °F, various	°C, °F	°C, °F
Resolution	0.1, 1°	0.1, 1°	0.01, 0.1, 1°	0.1°	0.01°, 0.1°	0.1°	1° (0.1° Thermistor)	0.001, 0.01, 0.1, 1°	0.1° (0.1° Thermistor)		0.1, 1°
No. of Digits	5	5	6	4	5	4	7	7	7		3
Display Height (in)	1.5	4	0.56	0.83			0.8	0.8	0.8		0.5
Mounting											
Cutout (DIN)											
Benchtop			✓	✓	✓	✓				✓	
Wall Mount	✓						✓	✓	✓		
Power Supply											
Universal 110-230 Vac	✓	✓			✓						
115/230 Vac Models			✓	✓			✓	✓	✓		✓
Low Voltage Option	✓	✓	✓			✓	✓	✓	✓	Self pwr.	Solar pwr.
Outputs											
Analog Output	✓	✓	✓	✓		✓					
Alarms	✓	✓	✓	✓			✓	✓	✓		
Relay Contact Rating	3 A or 5 A	3 A or 5 A	5 A, 3 A	3 A			0.5 A	0.5 A	0.5 A		
Latching Alarms	✓	✓	✓	✓			✓	✓	✓		
Alarm Hysteresis Programmable	✓	✓	✓	✓			✓	✓	✓		
Communications Options											
Ethernet			✓	✓							
RS232	✓	✓	✓	✓		✓					
RS485	✓	✓	✓	✓							
Software Package	✓	✓	✓	✓		✓					
Approvals	c US CE	c US CE	c US CE			c US CE	CE	CE	CE		

Meter Selection Guide



**Shop Online at
omega.com!**



Model No.	SPT10	BG18	DPM35A DP35	DP720041	TX82B	TX83A
Starting Price	\$80	\$200	\$180	\$50	\$150	\$325
Page No.	M-135	M-136	M-137	M-138	M-139	M-141
Inputs						
No. of Inputs		1	1	1	1	1
Selectable Inputs						
Thermocouples						
RTD						
Thermistor						
Process Inputs		✓	✓	✓	✓	✓
Display						
Engineering Units Available	°C, °F	Bar Graph				
Resolution	0.1, 1°	30 Segment	0.1, 1		1°	1°
No. of Digits	3		3.5	3.5	3.5	3.5
Display Height (in)	0.375		0.39, 0.5	0.3	0.35	0.35
Mounting						
Panel Cutout (DIN)		1/8	1/2, 1/8	1/2	1/8	
Benchtop						
Wall Mount						
Power Supply						
Universal 115/230 Vac						
115/230 Vac Models		✓				
Low Voltage Option	Solar pwr.	✓	✓	Loop pwr.	Loop pwr.	Loop pwr.
Outputs						
Analog Output						
BCD Output						
Alarms		✓				
Relay Contact Rating		2 A				
Latching Alarms						
Alarm Hysteresis Programmable						
Communications Options						
Ethernet						
RS232						
RS485						
Software Package						
Approvals		CE	CE		CE FM	CE FM

- ✓ Temperature
- ✓ Automation
- ✓ pH & Conductivity
- ✓ Pressure & Force
- ✓ Data Acquisition
- ✓ Electric Heaters
- ✓ Flow & Level
- ✓ Technical Data
- ✓ Wireless

**Additional High-Accuracy
Thermometers Featured in
Section K (i.e. See DP97,
DP95, DP250
for Benchtop Style)**



Timers									
Model No.	PTC-1A	PTC-12	PTC-13	PTC-14	PTC-15	PTC-16	PTC-21 PTC-22 PTC-23	PTC41	PTC900/910
Starting Price	\$148	\$135	\$202	\$104	\$160	\$133	\$142	\$395	\$169
Page No.	M-119	M-120	M-121	M-122	M-123	M-124	M-125	M-126	M-127
Panel Cutout (DIN)	1/16	1/16	1/16				1/16	1/8	1/8
Number of Outputs	1	2	2	2	4	2	1 or 2	4	2 or 4
Relay Contact	7 A	5 A or 8 A	5 A or 8 A	5 A or 8 A	5 A	5 A or 8 A	5 A	7 A, 1 A	3 A or 5 A
115/230 Vac Models	✓		✓		✓	✓	✓	✓	✓
Low Voltage Power	✓	✓	✓	✓	✓	✓	✓		✓
Communications								✓	✓
No. of Modes	6	9	11	9	5	9	3	5	23

RUBE GOLOBERG

Rube Goldberg (rŭb-gŏld'berg), n. a comically involved, complicated invention, laboriously contrived to perform a simple operation — *Rubert's New World Dictionary*

OMEGAMATION™

New Horizons® in Automation



Loaded with Technical Reference and Data on Automation

- ✓ Programmable Logic Controllers
- ✓ Smart Relays
- ✓ Human Machine Interface
- ✓ Process Measurement and Control Devices
- ✓ Stack Lights
- ✓ Drives and Motors
- ✓ Motion
- ✓ Push Buttons
- ✓ Relays and Timers
- ✓ Wire Connection
- ✓ Power Products
- ✓ Enclosures
- ✓ Ultrasonic Sensors
- ✓ Proximity Sensors

**LOADED WITH
RUBE GOLOBERG
CARTOONS!**

For Sales and Service Call

1-888-55-66342™
1-888-55-OMEGA

Shop Online at

omegamation.comsm
Ω OMEGA®



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488

FRANCE

www.omega.fr

Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz

Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl

Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• 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