

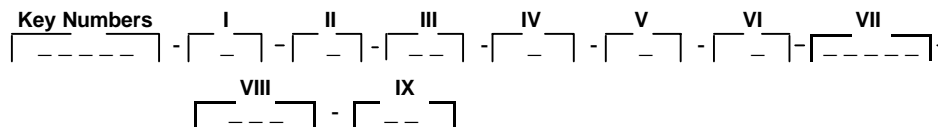
DPR100 C/D Pen and Multichannel Recorder: Digital Display

Model Selection Guide

(Ref. 43-DR-16-12)

Instructions

- Select the desired Key Number. The arrow to the right marks the selections available.
- Make one selection each from Tables I through VII.
- A complete Model Number must have the designated number of digits in each table.



KEY NUMBER	(Note 1)	Selection	Availability
Description			
1 Pen Recorder		DP101	↓
2 Pen Recorder		DP102	↓
3 Pen Recorder		DP103	↓
3 Channel Recorder		DM103	↓
6 Channel Recorder		DM106	↓

TABLE I - MATH FUNCTION (Note 2)

Standard -	Channel Difference, Square Root	0	•	•	•	•	•
Math Package 1:	Add, Multiply, Divide	1	•	•	•	•	•
Math Package 2:	Pack. 1 + Fo., Group Average, Totalizer, Gas/Liquid Mass Flow	2	•	•	•	•	•
Math Package 3:	Pack. 2 + Integ., Group Max, Min, Max-Min, Steam Flow Totalization, Energy Consumption	3	•	•	•	•	•
Math Package 4:	Pack. 3 + RH, 10 ^x , Envelope, Timers, Carbon Potential	4	•	•	•	•	•

TABLE II - VOLTAGE (Note 3)

100 to 240 Vac/dc 50 Hz Chart speed mm/hr	A	•	•	•	•	•
100 to 240 Vac/dc 60 Hz Chart speed inch/hr	B	•	•	•	•	•
24 Volt ac/dc 50 Hz Chart speed mm/hr	E	•	•	•	•	•
24 Volt ac/dc 60 Hz Chart speed inch/hr	F	•	•	•	•	•
48 Volt ac/dc 50 Hz Chart speed mm/hr	G	•	•	•	•	•
48 Volt ac/dc 60 Hz Chart speed inch/hr	H	•	•	•	•	•

Availability

		D P 1 0 1	D P 1 0 2	D P 1 0 3	D M 1 0 3	D M 1 0 6
TABLE III- OUTPUTS		Selection				
None	0_	•	•	•	•	•
Universal Communication Option RS422/485 Modbus RTU, RS422/485 ASCII, RS232/V24 ASCII (Modem)	1_	•	•	•	•	•
2 4-20 mA Auxiliary Outputs	2_	•	•	•	•	•
2 4-20 mA Auxiliary Outputs plus Universal Communications Option	3_	e	e	e	e	e
Alarm Relays: None	_0	•	•	•	•	•
6 Alarm Output	_A	•	•	•	•	•
12 Alarm Output	_B	f	f	f	f	f
2 Alarm Output	_C	•	•	•	•	•

TABLE IV - LOGIC INPUTS

None	0	•	•	•	•	•
2 Remote Contacts	A	•	•	•	•	•
4 Remote Contact	B	•	•	•	•	•

TABLE V - CHART CASSETTE

Fan Fold	Z	g	g	g	g	g
Roll	R	•	•	•	•	•

TABLE VI - DOOR AND CASE

Dark Gray Door, Plastic Window with Latch	1	•	•	•	•	•
Dark Gray Door, Plastic Window, Key Lock	2	•	•	•	•	•
Portable Case (Note 4)	5	•	•	•	•	•
Protective Case (Note 7)	6	•	•	•	•	•

TABLE VII - OPTIONS

None	0 _ _ _ _	•	•	•	•	•
Power Supply for Transmitter 24 Vdc (50 mA max)	B _ _ _ _	•	•	•	•	•
None	_0 _ _ _	•	•	•	•	•
Rear Terminal Cover (Note 5)	_G _ _ _	•	•	•	•	•
None	_ _0 _ _	•	•	•	•	•
UL/CSA Approved	_ _C _ _	c	c	c	c	c
None	_ _ _0 _	•	•	•	•	•
Additional 3 Inputs for Math Use	_ _ _A _	•	•	•	•	•
None	_ _ _ _0	•	•	•	•	•
Certificate of Conformance	_ _ _ _B	•	•	•	•	•
Certificate of Calibration (Note 8)	_ _ _ _C	•	•	•	•	•
Certificate of Conformance & User Actuation (Note 6)	_ _ _ _D	•	•	•	•	•
Certificate of Cal + Config & User Actuation (Note 6 & 8)	_ _ _ _E	•	•	•	•	•
User Actuation Configuration (Note 6)	_ _ _ _K	•	•	•	•	•
Configuration to customer requirement (Note 8)	_ _ _ _L	•	•	•	•	•

Availability

		Availability				
		D P 1 0 1	D P 1 0 2	D P 1 0 3	D M 1 0 3	D M 1 0 6
TABLE VIII - SPECIALS	Selection					
None	0 0 0	•	•	•	•	•
ST Number (Consult Fort Washington)	X X X	•	•	•	•	•

TABLE IX - Manuals

Product Information on CD	0 _	•	•	•	•	•
English Operator Manual and Prompts	E _	•	•	•	•	•
French Operator Manual and Prompts	F _	•	•	•	•	•
German Operator Manual and Prompts	G _	•	•	•	•	•
Italian Operator Manual and Prompts	I _	•	•	•	•	•
Spanish Operator Manual and Prompts	S _	•	•	•	•	•
Swedish Operator Manual and Prompts	W _	•	•	•	•	•
None	_ 0	•	•	•	•	•
English Product Manual	_ 1	•	•	•	•	•
French Product Manual	_ 3	•	•	•	•	•
German Product Manual	_ 4	•	•	•	•	•

- Note 1: The units are built with universal input and are delivered with 250 ohm resistors to convert input current signal 4 to 20 mA into 1 to 5 Volt dc (or 0 to 5 Vdc). These are packed in the product accessories.
- Note 2: Models DP1XX Pen units supplied with 3 analog inputs when Math Option is ordered. Additional 3 inputs can be selected by specifying Table VII, Option XXXAX.
- Note 3: The chart speed and frequency can be modified on the unit from key pad.
- Note 4: Portable case supplied with dark gray door, plastic window, latch, rear main switch and IEC main plug connector.
- Note 5: Rear cover is used to cover field wiring, this is in addition to the cover on the power supply terminals which is standard.
- Note 6: User defined actuation worksheets need to be completed and supplied with the order.
- Note 7: Supplied with metal sleeve, used on portable case option, no rear main switch or IEC main power plug connector supplied.
- Note 8: Customer must supply Input Actuation Type and Range for each input in the Free Form section of the order for the factory to supply the Custom Calibration Test Report (F3399).

RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
c			VI	5, 6
e			III	_ A, _ B, _ C
f			III	1 _, 2 _, 3 _
g	50 °C Maximum temperature limit			

RECORDING SUPPLIES

Description - (See Note C)	Specify
Ink cartridge pen 1	46187001-001
Ink cartridge pen 2	46187001-002
Ink cartridge pen 3	46187001-003
Ink wheel 6 colors	46180501-001
Chart roll: 40 divisions	46187044-040
50 divisions	46187044-050
60 divisions	46187044-060
65 divisions	46187044-065
70 divisions	46187044-070
75 divisions	46187044-075
100 divisions	46187044-100
Fan fold: 40 divisions	46187045-040
50 divisions	46187045-050
60 divisions	46187045-060
65 divisions	46187045-065
70 divisions	46187045-070
75 divisions	46187045-075
100 divisions	46187045-100

OTHER SUPPORT

Interface PC kit for product configuration (cables and software diskette included)	Note (a)	46187121-001
Application Software for ASCII Communication and PC Configurator		46187122-501
Wiring bracket with cable clamp		46187083-001
Plastic rule graduated	Note (b)	46187106-item
6 input resistors (250 ohms) for mA inputs		46181080-504
Scale (b) DPR 100 A/B		
Multichannel models		46187159-item
1, 2, 3 pen models		46187158-item
Blank scale (for pen recorder) DPR 100 A		46187057-002
New scale establishment DPR 100 A/B		Contact Product
List Price = \$175 US		Management
Cable between PC Configurator and PC		46210040-001
Cable between PC Configurator and Recorder		46225600-001
Configuration Card (Programming aid)		CCPLEN-6137
Communication Cable (DB25 male to DB9 female RS232)		46210061-001
Adapter Plate CL 111 to DPR 100		46187220-001
Adapter Cable DPR 100 to TDC 2000		46187222-501

OPERATOR MANUALS DPR 100 C/D

U.S. Manual	US1I-6136
French Manual	FR1I-6136
German Manual	GE1I-6136
Italian Manual	IT1I-6136
Spanish Manual	SP1I-6136
Swedish Manual	SW1I-6136

OPERATOR MANUALS DPR 100 A/B

English Manual	US1I-6125
French Manual	FR1I-6125
German Manual	GE1I-6125
Italian Manual	IT1I-6125
Dutch Manual	NL1I-6125
Spanish Manual	SP1I-6125
Swedish Manual	SW1I-6125

Accessories continued next page

PRODUCT MANUALS DPR 100

English Manual DPR 100 A/B	US1I-6126
U.S. Manual DPR 100 C/D	US1I-6137
Math Manual DPR 100 C/D	US1I-6138
Communication Manual DPR 100 C/D	US1I-6149

Note (a): The product manual contains calibration and PC configuration information.

Note (b): To specify the range, refer to Range Scale Bulletin for DPR 100 A/B Recorder.
Specification Sheet: 0I-6030 DPR 100 A/B: 0I-6021 DPR 100 C/D
Sales Brief: 43-DR-58-05

Note (c): **Consult Honeywell Order Entry Systems for current parts pricing.**

USER DEFINED ACTUATION DPR100C/D

Fax to York Customer Service
717-771-8236

CUSTOMER ORDER No. _____

SALES ORDER No. _____

TYPE OF ACTUATION - T/C _____ LINEAR (mV) _____ Ma _____ V _____ RTD _____ (Check one)

If thermocouple - complete table for Recorder Operating Temperature for Cold Junction Compensation

Actuation 1	Cold Junc. Value	Eng. Unit Deg. C	Electrical Value (mV)
	Lowest		
	Average		
	Highest		

Actuation 2	Cold Junc. Value	Eng. Unit Deg. C	Electrical Value (mV)
	Lowest		
	Average		
	Highest		

USER DEFINED ACTUATION TABLE 1*Enter values for custom actuation (max 50 SEGMENTS)*

Segment Number	ENG VALUE	Electrical VALUE	Segment Number	ENG VALUE	Electrical VALUE	Segment Number	ENG VALUE	Electrical VALUE
1			18			35		
2			19			36		
3			20			37		
4			21			38		
5			22			39		
6			23			40		
7			24			41		
8			25			42		
9			26			43		
10			27			44		
11			28			45		
12			29			46		
13			30			47		
14			31			48		
15			32			49		
16			33			50		
17			34			51		

USER DEFINED ACTUATION TABLE 2*Enter values for custom actuation (max 50 SEGMENTS)*

Segment Number	ENG VALUE	Electrical VALUE	Segment Number	ENG VALUE	Electrical VALUE	Segment Number	ENG VALUE	Electrical VALUE
1			18			35		
2			19			36		
3			20			37		
4			21			38		
5			22			39		
6			23			40		
7			24			41		
8			25			42		
9			26			43		
10			27			44		
11			28			45		
12			29			46		
13			30			47		
14			31			48		
15			32			49		
16			33			50		
17			34			51		