

DPR250 Recorder 250mm Strip Chart Recorder

Model Selection Guide

Instructions

- Select the desired Key Number. The arrow to the right marks the selection available.
- A dot denotes unrestricted availability. A letter denotes restricted availability.
- A complete Model Number must have the designated number of digits in each table.

Key Number I II III IV

☐ D25 - ☐ - ☐ - ☐ - ☐ - ☐

☐ V - ☐ VI - ☐ VII - ☐

KEY NUMBER

Description		
250 mm Strip Chart Recorder	D25	↓

TABLE I - Lower Rack Analog Inputs

		Selection	Availability
Input Card 1 (Slot A)	None 4 Linear Inputs (Channel 1 to 4) 4 Universal Inputs (Channel 1 to 4)	0 _____ L _____ U _____	• • •
Input Card 2 (Slot B)	None 4 Linear Inputs (Channel 5 to 8) 4 Universal Inputs (Channel 5 to 8)	_ 0 _____ _ L _____ _ U _____	• • •
Input Card 3 (Slot C)	None 4 Linear Inputs (Channel 9 to 12) 4 Universal Inputs (Channel 9 to 12)	_ _ 0 _____ _ _ L _____ _ _ U _____	• • •
Input Card 4 (Slot D)	None 4 Linear Inputs (Channel 13 to 16) 4 Universal Inputs (Channel 13 to 16)	_ _ _ 0 _____ _ _ _ L _____ _ _ _ U _____	• • •
Input Card 5 (Slot E)	None 4 Linear Inputs (Channel 17 to 20) 4 Universal Inputs (Channel 17 to 20)	_ _ _ _ 0 _____ _ _ _ _ L _____ _ _ _ _ U _____	• • •
Input Card 6 (Slot F)	None 4 Linear Inputs (Channel 21 to 24) 4 Universal Inputs (Channel 21 to 24)	_ _ _ _ _ 0 _____ _ _ _ _ _ L _____ _ _ _ _ _ U _____	• • •
Input Card 7 (Slot G)	None 4 Linear Inputs (Channel 25 to 28) 4 Universal Inputs (Channel 25 to 28)	_ _ _ _ _ _ 0 _____ _ _ _ _ _ _ L _____ _ _ _ _ _ _ U _____	• • •
Input Card 8 (Slot H)	None 4 Linear Inputs (Channel 29 to 32) 4 Universal Inputs (Channel 29 to 32)	_ _ _ _ _ _ _ 0 _____ _ _ _ _ _ _ _ L _____ _ _ _ _ _ _ _ U _____	• • •

TABLE II - Upper Rack Digital Inputs/Outputs

Availability

Analog Inputs/Outputs		Selection	D25
Slot J	None	0 _ _ _ _ _	•
	4 Linear Inputs (Channel 33 to 36)	L _ _ _ _ _	•
	4 Universal Inputs (Channel 33 to 36)	U _ _ _ _ _	•
	6 Alarm Relay Outputs (Alarm 1 to 6)	A _ _ _ _ _	•
	6 Digital Inputs (Digital 1 to 6)	D _ _ _ _ _	•
Slot K	None	_ 0 _ _ _ _	•
	4 Linear Inputs (Channel 37 to 40)	_ L _ _ _ _	•
	4 Universal Inputs (Channel 37 to 40)	_ U _ _ _ _	•
	6 Alarm Relay Outputs (Alarm 7 to 12)	_ A _ _ _ _	•
	6 Digital Inputs (Digital 7 to 12)	_ D _ _ _ _	•
Slot L	None	_ _ 0 _ _ _	•
	4 Linear Inputs (Channel 41 to 44)	_ _ L _ _ _	•
	4 Universal Inputs (Channel 41 to 44)	_ _ U _ _ _	•
	6 Alarm Relay Outputs (Alarm 13 to 18)	_ _ A _ _ _	•
	6 Digital Inputs (Digital 13 to 18)	_ _ D _ _ _	•
Slot M	None	_ _ _ 0 _ _	•
	4 Linear Inputs (Channel 45 to 48)	_ _ _ L _ _	•
	4 Universal Inputs (Channel 45 to 48)	_ _ _ U _ _	•
	6 Alarm Relay Outputs (Alarm 19 to 24)	_ _ _ A _ _	•
	6 Digital Inputs (Digital 19 to 24)	_ _ _ D _ _	•
Slot N	None	_ _ _ _ 0 _	•
	4 Linear Inputs (Channel 49 to 52)	_ _ _ _ L _	•
	4 Universal Inputs (Channel 49 to 52)	_ _ _ _ U _	•
	6 Alarm Relay Outputs (Alarm 25 to 30)	_ _ _ _ A _	•
	6 Digital Inputs (Digital 25 to 30)	_ _ _ _ D _	•
Slot P	None	_ _ _ _ _ 0 _	•
	4 Linear Inputs (Channel 53 to 56)	_ _ _ _ _ L _	•
	4 Universal Inputs (Channel 53 to 56)	_ _ _ _ _ U _	•
	6 Alarm Relay Outputs (Alarm 31 to 36)	_ _ _ _ _ A _	•
	6 Digital Inputs (Digital 31 to 36)	_ _ _ _ _ D _	•
Slot Q	None	_ _ _ _ _ _ 0 _	•
	4 Linear Inputs (Channel 57 to 60)	_ _ _ _ _ _ L _	•
	4 Universal Inputs (Channel 57 to 60)	_ _ _ _ _ _ U _	•
	6 Alarm Relay Outputs (Alarm 37 to 42)	_ _ _ _ _ _ A _	•
	6 Digital Inputs (Digital 37 to 42)	_ _ _ _ _ _ D _	•
	4 Current Outputs (Output 1 to 4)	_ _ _ _ _ _ C _	•
Slot R	None	_ _ _ _ _ _ _ 0	•
	4 Linear Inputs (Channel 61 to 64)	_ _ _ _ _ _ _ L	•
	4 Universal Inputs (Channel 61 to 64)	_ _ _ _ _ _ _ U	•
	6 Alarm Relay Outputs (Alarm 43 to 48)	_ _ _ _ _ _ _ A	•
	6 Digital Inputs (Digital 43 to 48)	_ _ _ _ _ _ _ D	•
	4 Current Outputs (Output 5 to 8)	_ _ _ _ _ _ _ C	•

Availability

TABLE III - Options

		Selection	D25
Communications	None	0 _ _	•
	Universal Communication (RS232/422/485) ASCII/Modbus RTU	1 _ _	•
	Ethernet Interface	2 _ _	d
PCMCIA	None	_ 0 _	•
	PCMCIA Interface (Note 6)	_ A _	•
Math	None	_ _ 0	•
	Math Package	_ _ A	•

TABLE IV - Door and Case Options

Grey Door, Glass Window, with Latch, Standard Case	0	•
Grey Door, Glass Window, with Key Lock, Standard Case	1	•
Grey Door, Plastic Window, with Latch, Standard Case	2	•
Grey Door, Plastic Window, with Key Lock, Standard Case	3	•
Grey Door, Glass Window, with Latch, Black Case	A	•
Grey Door, Glass Window, with Key Lock, Black Case	B	•
Grey Door, Plastic Window, with Latch, Black Case	C	•
Grey Door, Plastic Window, with Key Lock, Black Case	D	•
Black Door, Glass Window, with Latch, Black Case	E	•
Black Door, Glass Window, with Key Lock, Black Case	F	•
Grey Door, Plastic Window, Latch and Black Portable Case	4	c

TABLE V - Miscellaneous

None	0 _ _ _	•
None	_ 0 _ _	•
Test Report (Calibration Certificate) (Note 5)	_ A _ _	•
Certificate of Conformance	_ B _ _	•
None	_ _ 0 _	•
Product Configuration (Note 3)	_ _ A _	•
Product Configuration with User Defined Actuation (Note 3)	_ _ B _	•
User Defined Actuation (Note 3)	_ _ U _	•
None	_ _ _ 0	•
CSA Approval/NRTL/C (Note 4)	_ _ _ C	•

TABLE VI - Specials

None	00	•
Special ST # (Consult Ft. Washington)	XX	•

TABLE VII - Language/Prompts/Manuals

Product Information on CD	0	•
English	E	•
French	F	•
German	G	•
Italian Prompts/English Manual	I	•
Spanish	S	•

RESTRICTIONS

Restriction		Available Only With		Not Available With
Letter	Table	Selection	Table	Selection
c			V	___ C
d			II	----- L, ----- U, ----- A, ----- D, ----- C

DPR 250**Notes:**

1. A 250 ohm resistor is required for ma input actuation's. Order the required quantity using Part Number 46181080-503. See Parts Price Book for pricing.
2. Consult Fort Washington for pricing and availability.
3. Customer must complete "Configuration Worksheets" and attach to order or send to York Customer Service (Fax: 717-771-8236). (Reference Product Manual)
4. NRTL/C indicates product safety compliance approval by a Nationally Recognized Testing Laboratory of which UL and CSA are both OSHA accredited NRTL's. Not available with Portable Case option.
5. It is recommended that the Product Configuration (Table V) option be ordered when ordering the Calibration Certificate otherwise the certificate will be based on the factory default configuration.
6. PCMCIA Compac Flash Adapter and Compac Flash Cards can be ordered separately. The stored data on the Compac Flash Card is accessible using SDA software (P/N 045501) or TrendManager Pro V5 (TMPCON5).

USER DEFINED ACTUATION DPR 180/250

CUSTOMER ORDER No. _____

Fax to York Customer Service
717-771-8236

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		

DPR180/250

Parts and Accessories

Description	Specify
Chart Roll, 100 Divisions (35 meters) - DPR180	46190052-100
Fan Fold, 100 Divisions (35 meters) - DPR180	46190051-100
Chart Roll, 100 Divisions (35 meters) - DPR250	46182708-001
Fan Fold, 100 Divisions (35 meters) - DPR250	46182707-001
Ink Cartridge (6 color)	46182712-001
4 Resistor = 250 ohms each	46181080-503
Application Software for Product Configuration (PC Configurator)	46190407-001
Cable (jack) to PC Interface	46225600-001
Cable PC to PC Interface	46210040-001
Cable Communication Board to PC (2 meters)	46210098-501
Cable Clamp (8 cables)	46210075-501
PC Interface (interface + cables + diskette)	46190409-501
Recorder Upgrade Firmware Diskette	46190416-501
Communications Upgrade Kit	46190260-501
Rack Mounting Kit - DPR250	46182883-001
Grease Kit for Print Carriage	46210096-501
Compac Flash PCMCIA Adapter	50001014-501
Compac Flash Card - 32 MB	50001011-501
Compac Flash Card - 64 MB	50001011-502
Adapter Mounting Plate (16" x 15") - DPR180	46190415-501
Adapter Mounting Plate (18.25" x 16.25") - DPR250	30756326-001
SDA Data Analysis Software	045501
TrendManager Pro	TMPCON5
6 Logic Input Board	46190311-501
6 Relay Output Board	46190308-501
4 Universal Input Board	46190305-501
4 Auxiliary Output Board	46190314-501
PCMCIA Upgrade Kit	46190163-501
Math Upgrade Kit	46190424-501

Consult Honeywell Order Entry Systems for current parts pricing.

Listed Specials Table V (ST#)

Description	ST#	US\$
Molten Metal Application IPTS 90 Curve (Note 1)	02	125
Molten Metal Application IPTS 48 Curve (Note 1)	04	125
"E" T/C Range -200 to 900°C (Note: NiMo Range Unavailable)	07	0

Note 1: For Molten Metal Application the recommended Model is D18-U00000-AD0000-00A0-E-0000-02 or 04-U
Or D25-U0000000-AD000000-00A-E-0000-02 or 04-U