

Digi-Stem DST700 Series Meter Order Guide

Step 1 - Select Digi-Stem DST700 Series Advanced RTD Meter with Display, Alarm and Data Logger					
Code	Select Digi-Stem Meter, Stainless Steel Case / Polycarbonate H Frame and Window, LCD.				
DST700	Digi-Stem Advanced RTD Meter with Display, Alarm and Data Logger, -60° to 600°F (-51° to 315°C)				
Code	Select Sensor				
S	Single Sensor				
Code	Select Meter Stem Connection Location. Panel Mount Probes are Remote Only.				
P	Panel Mount - Stem Connection at Bottom Back of Case. Note: The Panel Mount option will be available soon.				
Code	Select Probe Connection Type on Meter End				
E	Easy Connect on Meter. (Connection 1). *Easy Connect is only available for Remote Probes.*				
B	Rigid Bottom Connection - Stem Connection at Bottom of Case. Wall Mount Bracket or 90° Elbow for Probe available as Accessories.				
E	Easy Connect on Meter. (Connection 1). *Easy Connect is only available for Remote Probes.*				
F	Fixed Connection on Meter				
Code	Select Battery Holder Type (Select One)				
A	AA size Battery Holder installed. Requires purchase of battery separately.				
C	C size Battery Holder installed. Requires purchase of battery separately.				
Code	Select Functionality (Select One)				
1	Meter with Display, Alarm and Data Logger. Includes: Software and #24040-01 Data Logger Connection Cable with M12-4, 90° Easy Connect to USB-A, 1 meter length.				
2	Meter with Display, Alarm, Data Logger, Transmitter and Switch. Includes: Software and #24040-01 Data Logger Connection Cable with M12-4, 90° Easy Connect to USB-A, 1 meter length. Requires user supplied Loop Power 24V DC. (Required for Transmitter and Switch. Battery is required for Display backup) Requires selection of #24040-03-XXX Transmitter Cable, Step 5 in order process.				
Transmitter Model Specify Temperature Set Points if different from default: 4 mA _____ (default -60°F/-51°C) and 20 mA _____ (default 600°F/315°C). Burnout: High _____* or Low _____*					
Stop here if ordering a replacement meter only. To order a complete system, please continue to next page.					
Note: Meter requires a probe to operate. Software is included on a flash drive.					
DST700					
Meter	Sensor	Stem Location	Probe Connection 1	Battery Holder Type	Function

Step 2 - Select which Battery to include if desired, or select No Battery. (Requires purchase of battery separately.)
List as a separate line item.

No Battery is suggested to avoid additional charges in compliance with transportation regulations regarding lithium metal batteries.

WAHL DST/DSP SERIES BATTERY SELECTION	
Step 2 - Select Battery to Include or No Battery	
DSA3062	Lithium Thionyl Chloride "C" Battery, 3.6V, for all DST/DSP meters (except FM version). NOT FOR INTERNATIONAL SHIPMENTS.
12234-03	Lithium Thionyl Chloride "AA" Battery, for all DST/DSP meters (except FM version).
NB	No Battery included. Please indicate on PO when ordering.

Optional Mounting Accessories.
Order on page 7.



DSA3062 - Lithium Thionyl Chloride "C" Battery, 3.6V. NOT FOR INTERNATIONAL SHIPMENTS. **12234-03** - Lithium Thionyl Chloride "AA" Battery, 3.6V. No shipping restrictions.



Digi-Stem DST700 Series Probe Order Guide

Step 3 - Select DST700 RTD Probe								
Code	Select Probe Type							
DST7	DST700 RTD Probe							
Code	Select Sensor							
S	Single Sensor Unit							
Code	Select Process Connection (Select One)							
01	1/2" NPT Fitting							
02	3/4" NPT Fitting							
03	1" & 1-1/2" Diameter; 3-A Sanitary Standard compliant Flange; Stem Type Code 2; Stem Material Code 2 only							
04	2" Diameter; 3-A Sanitary Standard compliant Flange; Stem Type Code 2; Stem Material Code 2 only							
05	2-1/2" Diameter; 3-A Sanitary Standard compliant Flange; Stem Type Code 2; Stem Material Code 2 only							
06	3" Diameter; 3-A Sanitary Standard compliant Flange; Stem Type Code 2; Stem Material Code 2 only							
07	1-1/4" x 18 NEF2 Swivel Nut Fitting							
08	1/2" NPSM Swivel Nut Fitting (Consult Customer Service when ordering for proper fit of thermowell)							
09	Unthreaded Transition Fitting							
Code	Select Stem Connection Type (Select One)							
A	Adjustable Angle (Not available on Remote Stems)							
B	Rigid Bottom Connection. For Back (B), Left (L) or Right Side (R) Mount add #13146X - 90° Elbow. Specify as separate line item.							
C	Remote Bottom Connection. Requires selection of additional specifications on following page. (Mounting Bracket not included)							
Code	Select Stem Type (Select One)							
2	Welded							
3	Spring Loaded, Process Connection Codes 01 & 02 only. Stem Diameter Code 1 only. Allows approx 1.0" Spring Travel. Requires Thermowell.							
Code	Select Sheath Material / Construction (Select One)							
9	316L SS, Temperature Rating 400°F (204°C) Wire Wound Pt100 Class A RTD with MgO packed MI Cable							
0	316L SS, Temperature Rating 1472°F (800°C) Thin Film Pt100 Class A RTD with MgO packed MI Cable							
Code	Select Stem Diameter (Select One)							
1	1/4" Diameter							
2	3/8" Diameter							
3	5/8" Stem, 7/16" Tapered Bulb, (Process Conn 07 only) (Stem Sheath will be 304SS) Stem Lengths available: 3.5", 6", 8", 9", 12" 15", 18", 24", 30", 36", 42", 48", 54", 60", 66", 72".							
4	1/2" Diameter stepped down to 1/4" diameter over last 1-1/2 inches							
Code	Specify Stem Length (Specify exact length desired)							
04X-72X	4" to 72" Length in inches - 04X = 4 inch, 05X = 5 inch, 06X = 6 inch, etc. For fractional lengths substitute X with: A = 1/4", B = 1/2", C = 3/4", Example: 06B = 6-1/2". Specify exact length desired: _____ **Stem Lengths less than 4 inches please call**							
Stop here if ordering Adjustable Angle or Rigid Probe. If Ordering Remote Probe continue on next page.								
DST7								* If choosing item with No Charge, please check line to select.
Probe Type	Sensor	Process Connection	Stem Connection	Stem Type	Stem Material	Stem Diameter	Stem Length	

Digi-Stems are designed and built to order in our Asheville, NC factory. If your process requires an option not shown here please call Customer Service.

Specifications subject to change without notice. Go to www.palmerwahl.com for most current information.

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Digi-Stem DST700 Series Remote Probe Order Guide

Step 4 - Select Remote Probe Cable Specifications (if desired). To order a Replacement Cable, contact Customer Service.

Code	Select Remote Probe Cable Connection - where cable attaches to Digi-Stem Meter (Select One)
5	Easy Connect - Straight Connection (Connection 2) (Cable attached via IP67 rated M12 4-pin plug & receptacle)
6	Easy Connect - 90° Connection (Connection 2) (Cable attached via IP67 rated M12 4-pin plug & receptacle)

Code	Select Remote Probe Cable Type
1	PVC, Temperature Rating 221°F (105°C)

Code	Specify Remote Probe Cable Length - 4-Pin Connector
002	2 meters (6.5 feet)
004	4 meters (13.1 feet)
006	6 meters (19.7 feet)
008	8 meters (26.3 feet)
010	10 meters (32.8 feet)
011-200	011 = 11 meters, etc. up to 200 meters. Price is per meter, Specify exact length desired _____

Code	Select Remote Probe Cable Connection - where cable attaches to probe fitting (Select One)
5	Easy Connect - Straight Conn (Connection 3) (Cable attached via IP67 rated M12 4-pin plug & receptacle)
6	Easy Connect - 90° Connection (Connection 3) (Cable attached via IP67 rated M12 4-pin plug & receptacle)

Cable Connection 2	Cable Type	Cable Length	Cable Connection 3

METER Final Part Number:

DST700					
Meter	Sensor	Stem Location	Probe Connection 1	Battery Holder Type	Function
Meter					

BATTERY Part Number:

Battery Part # or NB (NO Battery)

DSA3030ST - Mounting Bracket for DST700 Digi-Stem Meters with Remote Probes.



13146X - 90° elbow for rigid stem models allows for multiple angle installations. Specify X: Back (B), Left (L) or Right Side (R) Mount.

PROBE Final Part Number:

DST7											
Probe Type	Sensor	Process Connection	Stem Connection	Stem Type	Stem Material	Stem Diameter	Stem Length	Cable Connection 2	Cable Type	Cable Length	Cable Connection 3
Connection, Mounting and Probe								Remote Probe			

Step 5 - If Functionality Option Code 2 for Transmitter and Switch is selected, use the table below to order required Connection Cable and desired length.
List as a separate line item.

TRANSMITTER CABLE Final Part Number:

WAHL DST/DSP TRANSMITTER CABLE		
24040-03	DST/DSP Transmitter Cable, M12-8 Connector to Bare Wires	

Code	Select Transmitter Port Cable Connection
8	Easy Connect - 90° Connection

Code	Specify Transmitter Cable Length
001-100	001 = 1 meters, etc. up to 100 meters. Specify exact length desired _____
	Current Output 4-20mA Cable max 100 meters Voltage Output 0-5V Cable max 3 meters

24040-03		
Cable	Connector	Transmitter Cable Length

Step 6 - Order desired accessories. List as a separate line item.

WAHL DST700 SERIES OPTIONAL ACCESSORIES ORDER GUIDE	
Step 6 - Select Accessory Options. List as separate line item.	
DSA3030ST	Wall Mount Bracket (for Remote Mount units with Switch / Transmitter).
DSA3062	Spare Lithium Thionyl Chloride "C" Battery, 3.6V, for all DST meters except FM version. NOT FOR INTERNATIONAL SHIPMENTS.
12234-03	Spare Lithium Thionyl Chloride "AA" Battery, for all DST meters except FM version.
13146X	90 Degree Elbow for Rigid Stem models, Specify X: Back (B), Left (L) or Right Side (R) Mount.
	NIST Traceable Certificate of Conformance available.
Order Accessories as separate line item.	