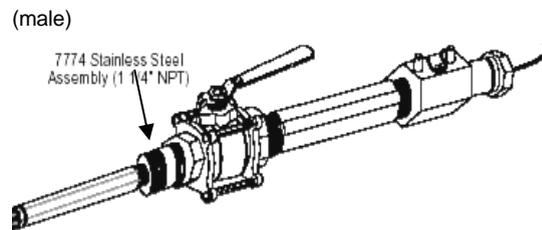
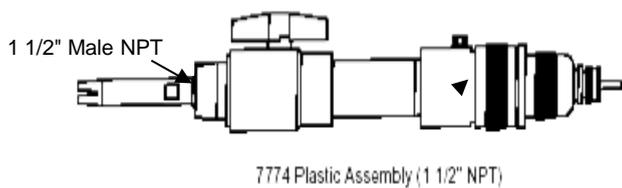


## Series 7774 Meridian® pH ORP Electrode Insertion/Removal Assemblies (Ball Valve)

## Model Selection Guide

- Designed for use in processes under pressure up to 50 psig
- Can be used in pipeline, tank wall, or other vessel in any position
- Available in plastic and 316 SST
- See Product Spec 70-82-03-05 for detail



### Instructions

- Select the desired key number. The arrow to the right marks the selection available.
- Make one selection per table, using the column below the proper arrow. A dot denotes unrestricted availability. A letter denotes restricted availability. Restrictions follow Table III.

Key Number      I      II      III      IV  
 [ ] - [ ] - [ ] - [ ] - [ 000 ]

KEY NUMBER	Description	Selection	Availability
7774	Electrode Mounting	07774	↓

TABLE I - Select Ball Valve Material and Preamp (depends on analyzer or transmitter used)

Ball Valve Material	Instrument Used With	Preamp	Selection	Availability
	None	None	00	•
CPVC Assembly	UDA2182 APT2000/4000	None (direct electrode to instrument connection) - Preamp internal to instrument	20	•
	UDA2182	31075705-501 (includes a 31075707 external preamp and a 31075723-501 20 Ft (6, 10m) quick disconnect cable) <b>Note 1</b>	70	•

07774

**TABLE I (continued) - Select Ball Valve Material and Preamp (depends on analyzer or transmitter used)**

Ball Valve Material	Instrument Used With	Preamp	Selection	
None			00	•
316 SS Assembly	UDA2182 APT2000/4000	None (direct electrode to instrument connection) - Preamp internal to instrument	40	•
	UDA2182	31028698-501 (includes 31022283-501 external preamp)	80	•

**TABLE II - ELECTRODE TYPE, LEADS, TEMPERATURE RANGE, PART NUMBER**  
**CPVC Assembly:**

Electrode Type	Leads	Temp. Range	Part Number		
None				00	•
Meridian II - pH	20' (3,66m) Tinned	0 to 100°C	51451326-503	23	h
Meridian II - ORP (gold) <b>Note 2</b>	20' (6,1m) Tinned	-5 to 100°C	51451341-503	25	h
Meridian II-ORP (platinum) <b>Note 2</b>	20' (6,1m) Tinned	-5 to 110°C	51451340-503	26	h
Meridian II - pH	12' (3,66m) Quick Disconnect	0 to 100°C	31074387-501	21	j

**316 Stainless Steel Assembly:**

Electrode Type	Leads	Temp. Range	Part Number		
None				00	•
Meridian - pH (no ATC)	12' (3,66m) Tinned	0 to 80°C	31117489-501	01	d
Meridian - ORP (gold) <b>Note 2</b>	12' (3,66m) Tinned	-5 to 100°C	31020749-501	05	d
Meridian - ORP (platinum) <b>Note 2</b>	12' (3,66m) Tinned	-5 to 130°C	31020751-501	06	d
Meridian - pH (with ATC)	12' (3,66m) Tinned	10 to 80°C	31050381-501	08	d

**TABLE III - OPTIONS**

Tagging	None	00 __	•
	Linen Customer I.D. Tag - 3 lines, 22 characters per line	LT __	•
	Stainless Steel Customer I.D. Tag - 3 lines, 22 characters/line	SS __	•
Certifications	None	__ 00	•
	Calibration & Conformance	__ CC	•

**TABLE IV - Factory Use**

Factory Use Only	000	•
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**Note 1:** For longer preamp to instrument cables, see Accessories and Spare Parts List.

**Note 2:** Gold is generally used in applications containing cyanide; platinum for all others.

**RESTRICTIONS**

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
d	I	40, 80		
h	I	20		
j	I	70		

**Series 7774****Accessories and  
Replacement Parts**

<b>Description</b>	<b>Part Number</b>
Directions (S.S.) - Durafet I & Meredian II	70-82-25-44
Directions (CPVC) - Durafet I & Meredian II	70-82-25-14
pH Buffer Solutions (one pint)	
4.01	31103001-501
6.86	31103002-501
9.18	31103003-501
Cable - preamp (31075705-501) to instrument	
Table I = 70	
- 20 feet (6,10 meters)	31075723-501
- 50 feet (15,24 meters)	51309677-501
Water Proof Junction Box for 6-conductor cable, incls terminal block strip	50034477-501
CPVC Nipple for 12 Inch Insertion Length.	31074344-501
CPVC Valve Assembly (includes support tube assembly). Adapter Coupling (074342) must be ordered separately.	31074357-501
Adapter Coupling	31074342-501
Stainless Steel Valve Assembly (does not include support tube assembly). Support Tube Assembly for Meredian Electrodes (31063261-501) must be ordered separately.	31741450-501
Meredian Support Tube Assembly - S.S.	31063261-501