

## Series 7773 Meridian® Electrode Multi-Electrode Mounting (used for pH, ORP & Specific Ion)

## Model Selection Guide

- Flow or immersion configuration
- Can be configured to use w/UDA2182 and APT2000/4000 Analyzers
- Preamp can transmit up to 3005 m (1000ft)
- Quick disconnect cabling
- See Product Spec 70-82-03-03 for further detail



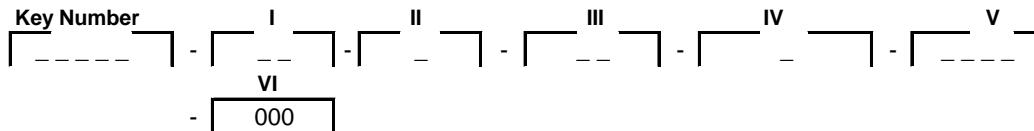
In Line Flow Style



Immersion Style

### 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 V.



KEY NUMBER	Description	Selection	Availability
7773	Electrode Mounting	07773	↓

TABLE I - Preamp - Selection depends on analyzer or transmitter used

Instrument Used	Preamp	Selection	Availability
<b>All glass pH direct connection instruments including:</b> UDA2182, APT2000 Transmitter, APT4000 Analyzer. (Includes 12 ft. (3,66m) coaxial cable (31040849-501) and 12 ft. (3,66m) 3- conductor cable (31337633-501).	None - Preamp internal to instrument	20	•
<b>All ORP direct connection instruments including:</b> UDA2181, APT2000 Transmitter APT4000 Analyzer (customer supplied 2-conductor cable - 8 pin terminal board in electrode assembly for cable connections).	None - Preamp internal to instrument	30	•
UDA2182	31022283 glass/ORP electrode preamp module (external preamp)	60	•

07773  
 Selection ↘

**TABLE II - Mounting/Material of Construction**

Mounting		Material of Construction		
Immersion	Polypropylene		2	•
	Ryton		6	•
	316 Stainless Steel		4	•
In-line (includes mounting kit) P/N 31324438-501	Polypropylene		1	•
	Ryton		7	•
	316 Stainless Steel Flow Chamber w/polypropylene cover		5	•
	316 Stainless Steel		3	•

**TABLE III - Select Combination Type or Separate Measuring and Reference Electrodes**  
**Electrode Options (Combination Electrodes)**

Electrode Type	Temp. Range	Connector	Part Number		
None				00	•
Meridian - pH <b>Note 1</b>	10 to 100°C	screw cap	31117486-501	40	d
ORP (gold) <b>Notes 1 and 3</b>	-5 to 110°C	12' tinned	31020749-501	50	e
Meridian pH and ORP (gold) <b>Note 3</b>	10 to 100°C/ -5 to 110°C	screw cap / 12' tinned	31117486-501 / 31020749-501	59	f
ORP (platinum) <b>Notes 1 and 3</b>	40 to 110°C	12' tinned	31020751-501	60	e
Meridian pH and ORP (platinum) <b>Note 3</b>	10 to 100°C/ -5 to 110°C	screw cap / 12' tinned	31117486-501 / 31020751-501	69	f

**Electrode Options (Separate Measuring/Reference)**

Reference	Electrode Type	Temp. Range	Measuring Electrode P/N	Connector		
Gel Filled/Ryton Body (P/N 31117481-501) 6" spade lug	Glass - pH	-5 to 110° C	31117390-501	screw cap	22	d
	ORP (gold)- <b>Note 3</b>	-5 to 110°C	31020749-501	12' tinned	24	e
	ORP (platinum) <b>Note 3</b>	-5 to 110°C	31020751-501	12' tinned	26	e
	Antimony - pH <b>Note 4</b>	5 to 75°C	31117399-501	screw cap	27	h
Gel Filled/Ryton Body Double Junction (P/N 31035832-501) 6" spade lug <b>Note 5</b>	Glass - pH	-5 to 110° C	31117390-501	screw cap	42	d
	ORP (gold )- <b>Note 3</b>	-5 to 110°C	31020749-501	12' tinned	44	e
	ORP (platinum) <b>Note 3</b>	-5 to 110°C	31020751-501	12' tinned	46	e
	Antimony - pH <b>Note 4</b>	5 to 75°C	31117399-501	screw cap	47	h
Flowing Junction Kit (P/N 31035974-501) including electrode (P/N 31008712-501) 6" spade lug	Glass - pH	-5 to 110° C	31117390-501	screw cap	62	d
	ORP (gold) - <b>Note 3</b>	-5 to 110°C	31020749-501	12' tinned	64	e
	ORP (platinum) <b>Note 3</b>	-5 to 110°C	31020751-501	12' tinned	66	e
	Antimony - pH <b>Note 4</b>	5 to 75°C	31117399-501	screw cap	67	h

**TABLE IV - Automatic Temperature Compensators**

Material	Part Number	Selection	07773
None <b>Note 2</b>		0	•
Plug for ATC hole for ORP measurements, Durafet electrode or fixed temperature compensation.	31109068-501	1	•
Ryton (8550 ohms, $\mu$ processor instr.)	31022289-501	5	k

**TABLE V - 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 VI - Factory Use**

Factory Use Only	000	•
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**Note 1:** Also includes (1) 31109068 plug for support holes.

**Note 2:** The support bracket has three holes in it that must be filled; depending on the selection of electrodes and/or ATC options another plug may be needed. If required, make selection "1" in Table IV.

**Note 3:** Gold is generally used in applications containing cyanide; platinum for all others

**Note 4:** Recommended for acidic processes containing fluorides that attack glass

**Note 5:** Double junctions are used in applications where reference electrode fouling can occur

**RESTRICTIONS**

Restriction Letter					Available Only With		Not Available With	
d	e	f	h	k	Table	Selection	Table	Selection
■							I	30
	■				I	30, 60		
		■				20		
			■		I	20, 60		
				■	I	20, 60		

## Series 7773

## Accessories and Replacement Parts

Description	Part Number
Directions - Durafet I & Meredian	70-82-25-34
pH Buffer Solutions (one pint)	
4.01	31103001-501
6.86	31103002-501
9.18	31103003-501
Waterproof Junction Box for 6-conductor cable, incl's terminal block strip	50034477-501
Shorting cable for ORP or checking preamp	31040874-501
Silicone grease tube	31090011
External Preamp for microprocessor based instruments	31022283

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