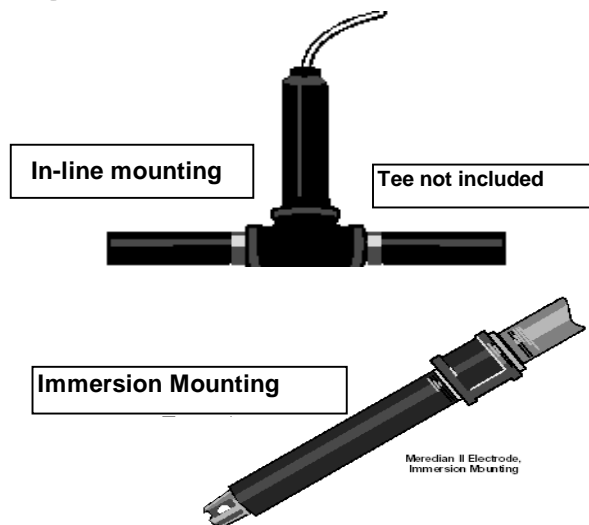


## Series 7777 Meridian® II Electrode In-Line or Immersion Mounting

## Model Selection Guide

- Combines measuring and reference electrodes, together with integral fast responding automatic temperature compensator
- Suitable for in-line and submersion applications
- May be mounted in any position
- Mounting is FM approved, intrinsically Safe for Class I, Group A, B, C,D areas
- See Product Spec 70-82-03-06 for detail



### Instructions

- Select the desired Key Number. The arrow to the right marks the selection available.
- Make one selection each per table using the column below the proper arrow.
- A dot (•) denotes unrestricted availability.

Key Number      I      II      III

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

### KEY NUMBER

Description	Selection	Availability
7777 Electrode Mounting	07777	↓

TABLE I - Preamp (depends on analyzer or transmitter used)

Instrument	Preamp Module		
9782-02, APT2000, APT4000, 7082-3_, -71	<b>None</b> pH (direct electrode to instrument connection)	0	•
9782P-02, 7082-3_, -71	ORP (direct electrode to instrument connection)		
7084	ORP (order 31028698 separately)		
9872-02, APT2000, APT4000, 7082-3_, 71	<b>None</b> ORP (includes 31316260 junction box for instruments more than 10' (3,05m) from the electrode)	1	•
9782-01, 7082-1_, -2_, -5_, -7_, 7084	31075705 Meridian II glass electrode preamp module (includes 31075707 preamp and 31075723, 20 foot (6,10 meters) quick disconnect cable for connection to instrument or junction box) (Note 2)	3	•

**TABLE II - Mounting, Leads, Temp, Part No.****Meredian II Glass pH:**07777  
Selection ↓

Mounting	Leads (Integral)	Temp.	P/N		
Immersion	20 Foot Tinned (6,10 meters)	20-110°C	51450906-001	15	f
		0-80°C	51450907-001	16	f
In-Line	20 Foot Tinned (6,10 meters)	20-110°C	51450908-001	17	f
		0-80°C	51450909-001	18	f
Immersion	12 Foot quick disconnect (3,66 meters)	20-110°C	31074386	03	g
		0-80°C	31074387	04	g
	16" quick disconnect (Note 1)	20-110°C	31074396	01	g
		0-80°C	31074397	02	g
In-Line	12 Foot Tinned (3,66 meters)	20-110°C	31074398	13	g
		0-80°C	31074399	14	g

**ORP Electrodes:**

Mounting	Leads	Temp.	P/N		
Immersion (Note 3)	12 Foot Tinned (3,66 meters)	-5 to 110°C	31074388 (gold) (Note 4)	07	e
		-5 to 110°C	31074389 (platinum) (Note 4)	08	e

**TABLE III - OPTIONS**

Tagging	Linen Customer I.D. Tag (limit to 3 lines, 22 spaces per line)	L	•
	Stainless Steel Customer I.D. Tag (limit to 3 lines, 22 spaces per line)	S	•
Certificate of Calibration	Yes	10	•

**RESTRICTIONS**

Restriction Letter	Table	Available Only With Selection	Table	Not Available With Selection
e	I	0, 1 (for ORP only)		
f	I	0		
g	I	3		

Note 1: These electrodes are supplied with a loose electrode protector tip.

The tip must be installed in the field.

Note 2: For longer preamp to instrument cables, see Accessories and Spare Parts List.

Note 3: For in-line mounting of these electrodes, order P/N 31074331 (smooth electrode tip) separately. Customer must install on electrode in the field.

Note 4: Gold is generally used in applications containing cyanide; platinum is used for all others

## Series 7777

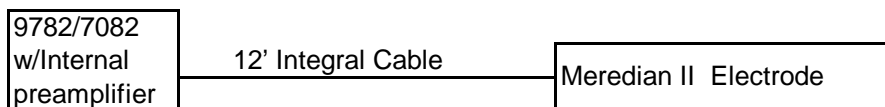
## Accessories and Replacement Parts

**Note:** For replacement electrodes see Replacement Electrodes Price List, Page RE-1 & 2.

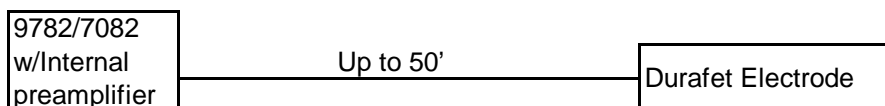
Description	Part Number
Directions - Meredian II Mounting	70-82-25-05
Directions - Preamp (31075704 & 31075705)	70-82-25-57
Directions - Meredian II Electrode	70-82-25-56
pH Buffer Solutions	
4.01	31103001
6.86	31103002
9.18	31103003
Cable - preamp (31075704, 31075705, 31079288) to instrument	
Table I = 2, 3 and 4	
- 20 feet (6,10 meters)	31075723
- 50 feet (15,24 meters)	51309677-001
- 100 feet (30,48 meters)	51309677-002
- 200 feet (60,96 meters)	51309677-003
Smooth Electrode Tip	31074331
Junction Box	31316260
Cable - 2 conductor for ORP electrode to instrument connection greater than 10 feet (3,50 meters) (Table I = 1). Also for Interface Module to instrument connection (Table I = 5, 6, or 8)	31833070
Special CPVC pipe tee for 3/4" in-line mounting	31120167
Cable grip - for Meredian glass and preamp to instrument cables (3/4" NPT connection and 0.25" grommet hole)	31074354

**Recommended Analyzer/Electrode/Preamp/Cable Selection  
for 9782/7082 Analyzers and 07777 pH Electrode Assemblies**

**Glass Electrode Within 12 Feet of Analyzer**



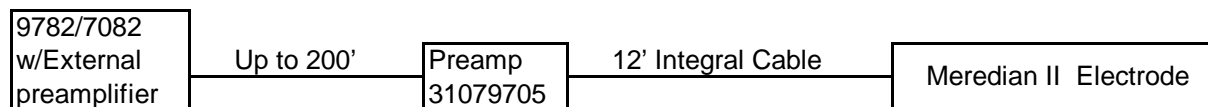
**Durafet® Electrode Within 50 Feet of Analyzer**



Separate Cable - 12' 51204782-001  
 20' 51204782-002  
 30' 51204782-003  
 40' 51204782-004  
 50' 51204782-005

Integral Cable - 12' 51205554-003  
 Length 20' 51205554-004  
 (Electrode P/N) 50' 51205554-005  
 4' 51205554-006  
 8' 51205554-007

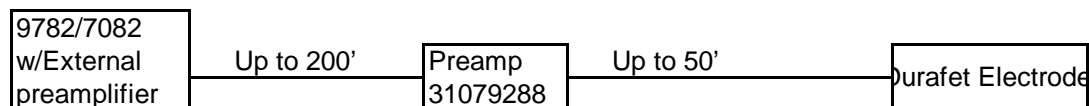
**Glass Electrode Within 200 Feet of Analyzer**



Separate Cable (Connector at preamp end, tinned at analyzer end)

20' - 31075723  
 50' - 51309677-001  
 100' - 51309677-002  
 200' - 51309677-003

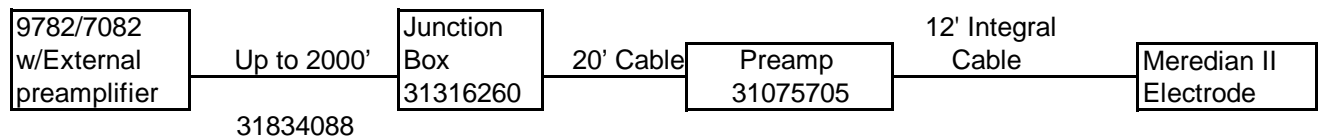
**Durafet® Electrode Within 200 Feet of Analyzer**



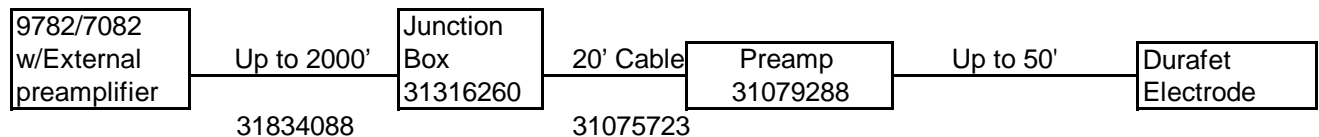
Separate Cable (Connector at preamp end, tinned at analyzer end)

20' - 31075723  
 50' - 51309677-001  
 100' - 51309677-002  
 200' - 51309677-003

**Glass Electrode Greater Than 200 Feet From Analyzer**



**Durafet® Electrode Greater Than 200 Feet From Analyzer**



Notes:

1. When ordering a 31075705 or 31079288 preamp as part of the 07777 catalog, the assembly includes the 20' preamp to instrument cable, P/N 31075723. For longer lengths, order the appropriate cable and discard the 31075723 cable.
2. For intermediate preamp to instrument lengths order the next longer length and then cut the tinned end to the proper length. Re-skin and re-tin the leads.
3. The six conductor cable between the junction box and instrument, P/N 31834088, is ordered by the foot. Select the proper length for the specific application.