

DEMA[®] Model 82-28-1 Inductive Warewash Probe Kit

INSTRUCTION SHEET

1. Purpose:

The DEMA[®] Inductive Warewash Probe replaces the conductivity probe used to sense detergent concentration in a wash tank. The advanced technology of the DEMA[®] Inductive Warewash Probe allows the wash tank conductivity to be sensed without any metal contacting the wash tank solution. As a result, the DEMA[®] Inductive Warewash Probe is immune to contaminants, such as lime, which plate onto conductivity probes.

2. PARTS / COMPONENTS:

- | | |
|--------------------|------------------|
| A. Inductive Probe | D. Plastic Nut |
| B. Rubber Washer | E. Strain Relief |
| C. Plastic Washer | |

3. INSTALLATION WITH A DEMA[®] TITAN™ OR NITRO WAREWASH DISPENSER:

The DEMA[®] Inductive Warewash Probe will work with DEMA[®] Titan Dispensers with software version 2.0 and above or DEMA Nitro Dispensers. Contact your DEMA[®] representative if you require an upgrade.

- Disconnect the power from the dispenser and the warewash machine. Drain the warewash machine.
- Disconnect the probe wire from the dispenser control board and remove the conductivity probe from the wash tank.
- Install the DEMA[®] Inductive Warewash Probe in the wash tank, through the wall, as shown. The hole through the center of the DEMA[®] Inductive Warewash Probe must be vertical.
- Route the DEMA[®] Inductive Warewash Probe cable into the dispenser enclosure. The connector and strain relief fit the 3/4" hole in the bottom of the enclosure.
- Plug the DEMA[®] Inductive Warewash Probe cable into the white eight pin connector on the dispenser control board (81-150-1). The connector is directly above the microcontroller chip.
- With the door on the dispenser fully open; secure the DEMA[®] Inductive Warewash Probe cable in the bottom with strain relief (81-183-2 or -3).
- Close the door on the dispenser and turn on the power to the dispenser.
- Turn on the power to the warewash machine.

4. ADDITIONAL FEATURES FOR DEMA[®] TITAN™ OR NITRO WAREWASH DISPENSERS:

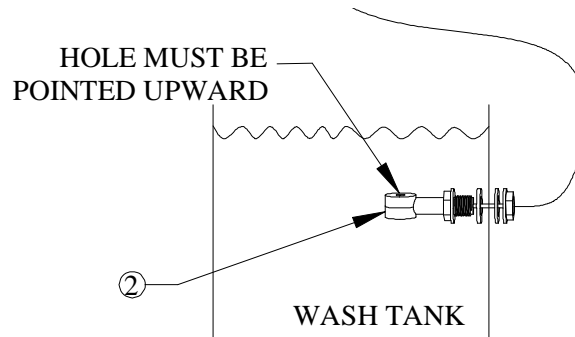
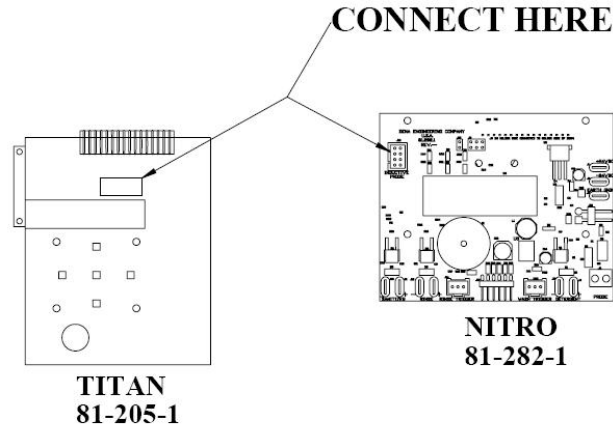
- **For the Titan**, a temperature compensation factor may be entered in the "Concentration Settings" menu. Entering 0.00% / °C means no compensation will happen. 1.70% / °C is an average value for dish machine applications.
- **For the Nitro**, the temperature compensation factor is located between "Feed Rate" and "Feed Limit" on the programming menu.
- **For the Titan**, the wash tank temperature can be viewed in °F and °C in the "Diagnostics" menu.
- **For the Titan**, The compensated and uncompensated wash tank conductivity can be viewed in uS in the "Diagnostics" menu.
- **For the Nitro**, these screens (temperature and wash tank conductivity) are on the main menu between "DET SP INPUT" and "New Program/System Access"

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Fig. 1



NO.	PART NUMBER	DESCRIPTION
1	81-183-2 (Use either -2 or -3)	Cable Strain Relief 5/8"
	81-183-3	Cable Strain Relief 3/4"
2	82-28-1	Inductive Probe Kit

Product Warranty

DEMA products are warranted against defective material and workmanship under normal use and service for one year from the date of manufacture. This limited warranty does not apply to any products that have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, physical abuse, or misapplication. Rubber and synthetic rubber parts such as "o"-rings, diaphragms, PVC tubing, and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of DEMA products. If products are altered or repaired without prior approval of DEMA, this warranty is void.

Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge, F.O.B. factory. DEMA assumes no liability for damages. Return merchandise authorization number must be granted in advance of returned units for repair or replacement (See "Merchandise Returns" above).

Merchandise Returns

No Merchandise will be Returned for Credit Without DEMA'S Written Permission. Returned Merchandise Authorization Number is Required in Advance of Return.