



TELEDYNE INSTRUMENTS

Advanced Pollution Instrumentation

A Teledyne Technologies Company
9480 Carroll Park Drive, San Diego, CA 92121-5201
Phone (858) 657-9800 Fax: (858) 657-9818 Toll Free 1800 324-5190
E-mail: api-customerservice@teledyne.com <http://www.teledyne-api.com>

Service Note

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DCPS AND BOX TEMP

There are two types of D.C. power supply cards (DCPS) used in API Analyzers. The part numbers are 00015-00 and 00015-01.

The difference between them is that the -01 has a thermistor soldered to pins C31 and C32 on the P1 connector. The -00 has no thermistor. The thermistor is used for the box temp readout.

Refer to the table below for correct usage of the DCPS Boards, as well as expected symptoms if the wrong board is installed.

ANALYZER MODEL NUMBER	CORRECT DCPS TYPE	SYMPTOM IF WRONG DCPS USED
M150, M152, M250, M251, M252	-00	NO EFFECT
M100, M200	-01	BOX TEMP WILL READ 7-10°C. WILL NOT CHANGE.
M300	-00	SAMPLE TEMP WILL READ 50°C AND NOT CHANGE
M400	-00	SAMPLE TEMP WILL READ 40°C AND NOT CHANGE.