

INSTRUMENT SERVICE / REPAIR REPORT
RMA #: 15040

DATE RECEIVED IN HOUSE : 05/15/2015

PROJECT NO : 917-154

MODEL :	SERIAL NO :
OL730D	15310091
OL730D-CH	15100036
OL730-PbS	15100021
OL730-TE	15100092

OWNER :
Rochester Inst. of Technology Joong Lee
WARRANTY: Yes

SYMPTOMS: Items submitted for warranty repair services. The OL730D displays "zero" on the ampere and volt ranges in DC mode or AC mode.

ANALYSIS:

OL730D S/N 15310091: All parameters of the OL730D were tested. The calibration data stored in the microprocessor is scrambled in the middle ranges. It is concluded that the microprocessor is defective after extensive testing to determine when the error occurs. The error is not consistent with any deliberate function from external input or internal operation. Replace the microprocessor.

OL730D-CH S/N 15100036: No defects were found.

OL730-PbS S/N 15100021: No defects were found.

OL730-TE S/N 15100092: No defects were found.

REPAIRS MADE:

OL730D S/N 15310091: The microprocessor was replaced. All internal functions and adjustments required were measured and no defects were found. An OL730D recalibration procedure was performed. The calibration was verified to be within tolerance of the specifications. A certificate of conformance has been provided.

OL730D-CH S/N 15100036: No further action required.

OL730-PbS S/N 15100021: No further action required.

OL730-TE S/N 15100092: No further action required.

NOTE: The system was assembled and operated using various detectors and settings. The system was reset to the specific application setting for the PbS detector and tested again. No further defects were found.

NOTE: It was observed that the insulation of the chopper control cable was coming apart at the connector ends. The cable was repaired.

ACCESSORIES RECEIVED WITH INSTRUMENT: (2) Power cords (1) Chopper control cable (1) 730-TE cooler cable (1) Detector signal cable.

DATE COMPLETED: 06/15/2015



Dan Powers
Electronic Technician

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