



Test Monitoring Center

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L-60-1 Information Letter 13-2
Sequence Number 43
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ASTM consensus has not been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.

TO: L-60-1 Mailing List
SUBJECT: Sierra Top Trak Model Number

During its August 14, 2013 meeting, the L-60-1 Surveillance Panel approved a motion to correct a typographical error in the model number given for the Sierra Top Trak airflow meter and to further revise the model number information to account for changes to option designations used by the manufacturer. A footnote has been added to document the continued acceptability for use of airflow meters bearing the obsolete model designations. The attachment shows a summary of the current option designations. A second attachment shows the revised text for Section 8.10 of D5704.

This change is effective immediately.

Larry Hamilton
Chairman
L-60-1 Surveillance Panel

Frank M. Farber
Director
ASTM Test Monitoring Center

Attachments

cc: ftp://ftp.astmtmc.cmu.edu/docs/gear/1601/procedure_and_ils/il13-2.pdf

Distribution: Email

Sierra Top Trak models allowed by procedure section 8.10

822S-L-2-OV1-PV1-V1-A1

822S-L-2-OV1-PV1-V4-A1

822S	=	Parent number in stainless steel
L	=	Flow Body; Low flows
2	=	Inlet / outlet fitting; ¼ compression fitting
OV1	=	Elastomers; Viton
PV1	=	Input power; 12-15 VDC
V1 or V4	=	Output signal; 0-5 VDC, linear or 4-20 mA, linear
A1 or SCR2700	=	Gas flow rate; Special calibration requested to 1% accuracy

Designation "A1" is no longer used by the manufacturer. It has been superseded by "SCR2700". Units marked with both the older and newer designations are equally acceptable for use.

(Revises Test Method D 5704-13, as modified by Information Letters 12-3 and 13-1)

Replace current 8.10 with the following:

8.10 Air Flow Controller Calibration – As a standard for all Sierra Side Trak model 840 air flow controller calibrations, use either a Sierra Top Trak model number 822S-L-2-OV1-PV1-V1-SCR2700 or 822S-L-2-OV1-PV1-V4-SCR2700 air flow meter (these model numbers supersede 822S-L-2-OV1-PV1-V1-A1 and 822S-L-2-OV1-PV1-V4-A1 which also remain acceptable for use). Calibrate the Sierra Top Trak to a traceable national standard at least once every year at a flow rate of (22.08 ± 2.01) mg/min at the outlet with 30 psig (206 kPa) inlet pressure.

Prior to initiating a test stand calibration run, connect the Sierra Top Trak meter to the inlet of the Sierra Side Trak controller. Connect the Side Trak outlet to the gear box. Install an air pressure measurement device to monitor and regulate air pressure to the inlet of the Top Trak to 30 psig (206 kPa). Charge the gear box with a commercial 80W-90 grade oil and bring to test conditions [$325 \pm 1^{\circ}\text{F}$ ($162.8 \text{ }^{\circ}\text{C} \pm 0.5 \text{ }^{\circ}\text{C}$) at (1750 ± 50) r/min]. Adjust the Side Trak until its controlled flow matches that displayed by the Top Trak. Remove the Top Trak after completing the calibration.

Determination of the need to repeat Side Trak calibration following an unsuccessful test stand calibration run is at the discretion of the testing laboratory.