

Required Equipment

Equipment and software required to perform the procedures in this manual are identified in Table 3. If the recommended equipment model is not available, other equipment can be substituted if it meets the specifications indicated.

⚠ Warning

To avoid safety hazards and equipment damage during the calibration procedures, use the specified calibration equipment listed in Table 3. Using unspecified equipment can give unreliable results and pose safety hazards.

Table 3. Required Equipment and Software

Equipment	Minimum Specifications	Recommended Model
Multi-Product Calibrator	DC voltage: 0 V to 30 V Accuracy: $\pm 0.005\%$ DC current: 0 mA to 24 mA Accuracy: $\pm 0.005\%$ Temperature: Type J thermocouple 90 day accuracy: $\pm 0.2\text{ }^\circ\text{C}$ Resistance accuracy: $\pm 0.006\%$ Frequency accuracy: $\pm 0.01\%$	Fluke Model 5520A Multi-Product Calibrator only
MET/CAL [®] Metrology Software (see MET/CAL Installation and Upgrade Guide for minimum hardware requirements)	Version 6.0 or later	Contact Fluke for the latest version.
Digital Multimeter	DC voltage: 0 V to 24 V Accuracy: $\pm 0.0013\%$ DC voltage: 0 mA to 24 mA Accuracy: $\pm 0.005\%$	HP 3458A only— <i>no substitute</i>
Pressure Module	In working condition; for establishing communication only	Fluke 700PXX Series
Test Leads	Two sets of stackable banana test leads	2 red leads: Fluke PN 105809 2 black leads: Fluke PN 105806
Thermocouple test lead	2 type J male miniplugs with ~12" (30.5 cm) of 20-gauge type J thermocouple wire	Fluke Model 80CJ-M male miniplugs (package of two) 20-gauge type-J thermocouple wire is available through an electronic supply outlet
Personal computer	Windows [®] 3.1 or later with terminal communication software	486 (or later) IBM-compatible
PC interface cable	Fluke 700SC serial interface cable assembly (LEMO to DB-9 female)	Fluke PN 667425
Calibration cable	Fluke 724/725Ex Calibration Cable 700SC Serial Cable	Fluke PN 1556747 Fluke PN 667425