

# F6080



## FIELD CALIBRATION UNIT

The F6080 Field Calibration Module is the most effective way to keep your F6150 protection test instrument properly calibrated. Using the F6080 will increase your confidence in the accuracy of your protection, meter and transducer testing.

The simple, user-friendly front panel of the F6080 has clearly marked connections to connect to the F6150. Its simple hardware and easy-to-use software makes recalibration of the F6150 quick and efficient.

With the F6080, you can verify the calibration of F6150 current and voltage sources in the field without sending the F6150 to a calibration lab or to the Doble service center. The F6080 module has all the required hardware and software to enable users to calibrate the F6150 in the field. This saves time and money by improving the productivity of testing crews.

## F6080 Features

The F6080 comes with software that provides step-by-step instructions for calibration. It performs automatic recalibrations of the voltage and current sources (magnitude, phase angle and frequency) for all ranges. It also checks and calibrates the logic inputs and outputs.

The F6080 is supplied with a calibration certificate from Doble, traceable to NIST (North American Standards Testing). This certificate is valid for one year. Doble can recertify the F6080 units every year. The F6080 is housed in a sturdy and portable housing. The F6080 hardware contains accurate shunts and high accuracy crystals required for calibrating F6150 sources. All necessary cables and computer connection cables are supplied with the F6080 in a convenient cable bag.

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## F6080 Benefits

- Ensures accuracy of the F6150 by regularly checking the calibration
- Step-by-step process ensures quick calibration of the F6150
- Simple test procedure
- No interruption in access to F6150, since you calibrate at your desk or in the field

## F6080 Applications

Accuracy of the F6150 can be verified by connecting the F6150 to a computer through the serial port.

The software application provided with the F6150 guides you through a step-by-step calibration process.

Connect voltage, current sources and logic I/O to the terminals marked on the F6080 per the instructions given by the computer.

Once the calibration of the F6150 is completed, a report will be generated, which can be printed for your records.

*Specifications are subject to change without notice.*

For more information, contact  
fserieshelp@doble.com

## F6080 Field Calibration Unit Technical Specifications

<b>Dimensions:</b>	14.2 x 11.4 x 6.5 in. 36.1 x 29.0 x 16.5 cm
<b>Weight:</b>	8.52 lb / 3.87 kg
<b>Power Supply:</b>	100–240 V, 50/60 Hz
<b>Interfaces:</b>	RS 232 control to computer
<b>Operating Temperature:</b>	20° to 30° C 68° to 86° F
<b>Storage Temperature:</b>	-25° to 70° C -13° to 158° F
<b>Humidity:</b>	Up to 95% relative humidity, non-condensing
<b>Warmup Time:</b>	30 minutes
<b>Voltage/Current Measurement Accuracy:</b>	± 0.02%
<b>Frequency Measurement Accuracy:</b>	± 0.2 ppm
<b>Logic Input Timer Pulse Accuracy:</b>	± 1 ppm of setting ± 10 μ sec

