LONMARK™
PARTNER

INSTALLATION AND SETUP

The 19222GM calibration software kit includes the software on a disk and a serial COM adapter in a plastic bag. The 19222GM kit is designed for easy laboratory calibration of the GMD/W20 transmitters.

1. Open the plastic bag and take the contents out.

2. Open the transmitter to be calibrated. If it is a model with display, remove the display board.

3. Connect the flat cable to the 'SERIAL COM' connector on the transmitter's printed board   (see Figure 1). Insert the serial COM adapter to a free serial interface connector on your PC. Check that the nominal 24 V supply is connected between terminals + and - on the transmitter mother board.

Figure 1   Connecting the cable

4. Insert the disk into the disk drive of your computer. Note that the Microsoft Windows® should be running (Win 3.x, Win95 or NT). In File Manager or Explorer, click open the file a:\setup.exe. Alternatively, select RUN in the File menu and type a:\setup.

5. During the setup, the software asks if you wish to install the software in another directory (e.g. on your hard disk). If you do, type the desired directory.

6. The software will inform you when the setup has been completed. A program group CALI-20 will appear on your Program Manager. Within this group, there are two icons: CALI-20 and Help File. The Help File contains all the information you need for performing calibrations and details of   the calibration software.

7. Click open the CALI-20 icon and in the COM menu select the correct COM port.

Note that for a complete re-calibration of the transmitter you need the following accessories:

- 19222GM Calibration Kit

- accurate ZERO gas (Nitrogen N50 or similar)

- accurate SPAN gas (CO_2 and Nitrogen mixtures for 2000 ppm, 5000 ppm, 10 000 ppm or 20 000 ppm depending on the desired measurement range)

- pressure regulators and flow indicators for each bottle

- calibration pipe GM35001 or similar