



<b>1</b>	Unit LED x 4	<b>8</b>	Exhaust Port
<b>2</b>	Status LED	<b>9</b>	Gas Inlet2
<b>3</b>	CAL Button	<b>10</b>	Pressure Gauge
<b>4</b>	BUMP Button	<b>11</b>	Thumb Screw x 2
<b>5</b>	USB Data Line Port	<b>12</b>	Demand-flow Regulator
<b>6</b>	Air Inlet	<b>13</b>	Gas Inlet1
<b>7</b>	Charging Port	<b>14</b>	UDisk Port

**⚠ Caution:** Use in non-hazardous-gas locations only!

## CaliCase for MUNI MP420 Series

### SETUP AND INSTALLATION

1. Connect the case to a PC by USB cable **[5]**. Use mPower Suite software to configure the gas concentrations & other parameters on the CaliCase. Be sure to set the gas types to match the sensor types and the expiration date past the current date.
2. Insert the UDisk thumb drive into a PC USB port and configure the gas concentrations & expiration dates on the UDisk using mPower Suite. Be sure to Write both the CaliCase Info and the MUNI Info to the UDisk.
3. With the CaliCase powered off, insert the UDisk into port **[14]** and then turn the power on. **IMPORTANT!** *The CaliCase will not operate properly without the UDisk!*
4. Thread the gas cylinder into the demand-flow regulator (DFR) **[12]** C10 inlet fitting **[13]**. Once tightly connected, the gauge **[10]** will indicate the cylinder gas pressure. If needed, a second gas can be connected to port **[9]** using a separate DFR.

### CALIBRATION OR BUMP

1. Turn on 1-4 MUNI instrument(s) and place them face-down into their cradle(s).
2. If the power is off, press and hold the CAL button **[3]** until the Status LED **[2]** turns green.
3. **CALIBRATION:** Press the CAL button **[3]** to initiate. The

Unit LED(s) **[1]** should blink green for about 60-100 seconds and then stay GREEN if passed or RED if failed.

4. **BUMP:** Press the BUMP button **[4]** to initiate. The buzzer will be tested and the Unit LED will blink green for about 30 seconds and then stay GREEN if passed or RED if failed.
5. A Calibration or Bump Report will be saved on the UDisk.
6. To abort a Calibration or Bump, press and hold the BUMP button **[4]** until the Unit LED(s) turn off.
7. To power off, press CAL until the Status LED turns off.

### LEDs

LED	Color	Description
Status LED	Green	Power on
	Green blinking	Low battery
	Orange	Charging
	Red blinking	1) USB Disk error 2) Datetime error 3) No pump detected
	None	Power off
Unit LEDs	Green blinking fast	Cal/Bump testing
	Green blinking slow	Unit firmware upgrading
	Orange	Match fail
	Green	1) Cal/Bump test pass 2) Unit firmware upgrade
	Red	1) Cal/Bump test fail 2) Unit firmware upgrade fail