Air Quality Monitor State Table

State	Action	Status Indicator LEDs	Pollution LEDs	Zero Cal Button	Upscale Cal Button	Measure Timeout	Idle Timeout	zero timeout	upscale timeout
START	init system Go to MEASURE_MODE	power = ON zero = OFF upscale = OFF measure = OFF	OFF	x	x	x	x	x	x
MEASURE_MODE	set MEASURE_ TIMEOUT update RESULT	power = ON zero = OFF upscale = OFF measure = BLINK	SHOW_RESULT	x	x	IDLE_MODE	x	x	x
IDLE_MODE	set IDLE_TIMEOUT	power = ON zero = OFF upscale = OFF measure = OFF	SHOW_RESULT	ZERO_MODE	UPSCALE_MODE	x	MEASURE_MODE	x	x
ZERO_MODE	set ZERO_TIMEOUT update ZERO_AD	power = ON zero = BLINK upscale = OFF measure = OFF	SHOW_ADC	x	x	x	x	MEASURE_MODE	x
UPSCALE_MODE	set UPSCALE_TIMEOUT update UPSCALE_AD	power = ON zero = OFF upscale = BLINK measure = OFF	SHOW_ADC	x	x	x	x	x	MEASURE_MODE