

# THERMOMETER

Location	Item	Reading	Ideal setting Degrees Celsius	Comments
Kitchen	Fridge		2 to 5	
Kitchen	Freezer		-12 to -18	
Shed	Fridge		2 to 5	
Shed	Freezer		-12 to -18	
Closest to hot water unit	Hot water		No more than 50	
Room	NA		18 to 25	

# POWER-MATE LITE

Appliance	How long your ran Power-Mate	True Value since measurement started	Estimated hourly amount	Estimate quarterly amount	Estimate yearly amount

## NOTE

A small item running 24 hours a day (e.g. internet router) can consume quite a lot of energy, while a very high powered item only run for a few minutes (e.g. kettle) won't use much energy.

For example, an internet router that consumes 10 Watts (0.01kW) and is switched on 24 hours a day will use  $0.01\text{kW} \times 24\text{hrs} = 0.24\text{kWh}$  per day.

A kettle that uses 2400W (2.4kW) and is on for 6 minutes (6 minutes in an hour = 0.1hr ) will use  $2.4\text{kW} \times 0.1\text{hrs} = 0.24\text{kWh}$ , the same as the modem being on all day.

Multiply this by lots of large and small appliances around your house and you have your power bill.

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# LIGHT LEVEL METER

## Swap out info

Room	LUX reading	Recommended LUX	Comments	Bulb fitting type	Size	How many bulbs in room
Hallways		40		Screw or Bayonet	Standard or small	
Toilet		80-100		Screw or Bayonet	Standard or small	
Bathroom		80-100		Screw or Bayonet	Standard or small	
Ensuite		80-100		Screw or Bayonet	Standard or small	
Laundry		80-100		Screw or Bayonet	Standard or small	
Office		160-320		Screw or Bayonet	Standard or small	
Kitchen		250		Screw or Bayonet	Standard or small	
Dining Room		150-450		Screw or Bayonet	Standard or small	
Living Room 1		150		Screw or Bayonet	Standard or small	
Living Room 2		150		Screw or Bayonet	Standard or small	
Bedroom - Master		215		Screw or Bayonet	Standard or small	
Bedroom - 2		215		Screw or Bayonet	Standard or small	
Bedroom - 3		215		Screw or Bayonet	Standard or small	
Bedroom - 4		215		Screw or Bayonet	Standard or small	

## Bulb Fitting Guide

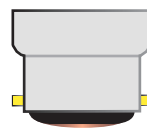
Screw Cap



Small Edison Screw



Bayonet



Small Bayonet



# WATER FLOW MEASURING CUP

Location	Item	Reading	Ideal setting Litres per minute	Comments
Bathroom	Basin		4	
	Shower		6 to 9	
Ensuite	Basin		4	
	Shower		6 to 9	
Kitchen	Sink		6 to 8	
Laundry	Sink		8	
Outside			6	

# THERMAL IMAGING CAMERA - WINTER

Location	Weakness point	Weakness point	Weakness point	Comments
Hallways				
Toilet				
Bathroom				
Ensuite				
Laundry				
Office				
Kitchen				
Dining Room				
Living Room 1				
Living Room 2				
Bedroom - Master				
Bedroom - 2				
Bedroom - 3				
Bedroom - 4				

Keep thermostat below 20°C.

Every degree higher will increase running cost by about 10%.

<https://assets.sustainability.vic.gov.au/susvic/Document-energy-Household-energy-action-guide.pdf>

## STEPS

1	Run heating	For best result there should be 10 deg difference inside to outside
2	Run camera	Aim camera roof, walls, windows, doors to determine any weakness - BLACK/DARK PURPLE is cool
3	Record	Note any black/dark purple data into table for actioning
** Ref TOP TIPS in instruction guide		

# THERMAL IMAGING CAMERA - SUMMER

Location	Weakness point	Weakness point	Weakness point	Comments
Hallways				
Toilet				
Bathroom				
Ensuite				
Laundry				
Office				
Kitchen				
Dining Room				
Living Room 1				
Living Room 2				
Bedroom - Master				
Bedroom - 2				
Bedroom - 3				
Bedroom - 4				

**Set Air Conditioner/Cooler thermostat to 24-26°C.**

**Every degree lower will increase running cost by about 10%.**

<https://assets.sustainability.vic.gov.au/susvic/Document-energy-Household-energy-action-guide.pdf>

## STEPS

1	Run cooling	For best result there should be 10 deg difference inside to outside
2	Run camera	Aim camera roof, walls, windows, doors to determine any weakness - RED/ORANGE is heat
3	Record	Note any Red/orange data into table for actioning
** Ref TOP TIPS in instruction guide		