

## MONITORING EQUIPMENT

Test your knowledge on monitoring equipment through these two exercises.

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Date: \_\_\_\_\_

Match the monitoring equipment in the left column with the parameters measured in the right column

NAME OF THE EQUIPMENT	PARAMETERS MEASURED
1) Clamp on power tester	a) RPM
2) Combustion Analyzer	b) Illumination Levels
3) Manometers	c) Liquid flow in pipes
4) Thermocouple and Infra red thermometers	d) Voltage and Current
5) Ultrasonic Flow meters	e) Compressed air leakages
6) Stroboscope	f) Pressure head
7) Ultrasonic leak detector	g) Carbon di oxide
8) Lux Meters	h) Temperature

Name at least one monitoring equipment you would need to conduct an assessment of the following equipments/area:

NAME OF THE EQUIPMENT	MONITORING EQUIPMENT REQUIRED
Cooling tower	
Motor load survey	
Boiler	
Furnaces	
Insulation Survey	
Compressed air system	
Lighting Survey	
Air conditioning plant	

*Test your knowledge: Monitoring Equipment*

**ANSWERS**

1. d	2. g	3. f	4. h
5. c	6. a	7. e	8. b

<b>NAME OF THE EQUIPMENT</b>	<b>MONITORING EQUIPMENT REQUIRED</b> <i>(examples, not a complete list!)</i>
Cooling tower	Thermometers; Ultrasonic flow meters; Power analyzer; Tachometer / Stroboscope
Motor load survey	Tachometer / Stroboscope; Power analyzer
Boiler	Combustion analyzer; Thermocouple; Infrared thermometer
Furnaces	Thermocouple; Combustion analyzer; Infrared thermometer
Insulation survey	Infrared thermometer
Compressed air system	Manometer (pressure gauges); Ultrasonic leak detector; Power analyzer
Lighting Survey	Lux meter; Power analyzer
Air conditioning plant	Manometer; Anemometer; Ultrasonic flow meter; Power analyzer; Tachometer / Stroboscope; Thermometer