



Features

- The Energy Meters are designed for measuring the energy output of capacitor discharge type Shot Exploders and Boosters.
- Two versions of this meter are available, a handheld unit powered by a replaceable battery (EM-3) and a wall mounted unit powered by 220V_{AC} mains supply (EM-2).

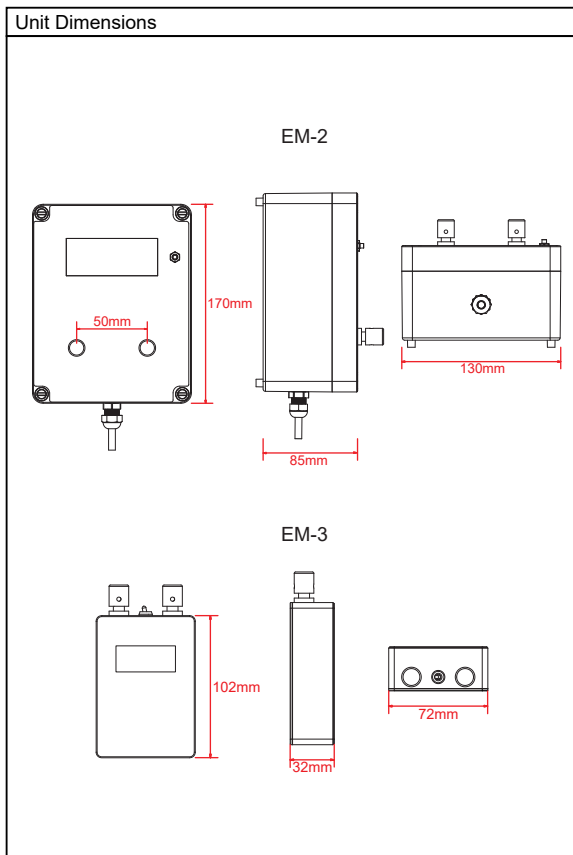
Operation

- The Energy Meter is switched on and it will automatically reset to zero. Using standard blasting cable, the Shot Exploder or Booster is then connected directly to the Energy Meter and fired.
- The LCD of the Energy Meter will display the output energy of the connected unit.
- Should the output energy be below that specified by the manufacturer, the Shot Exploder or Booster must be returned to the manufacturer for repair.
- The EM-3 is powered by a replaceable PP3 9V Zinc Carbon battery and is capable of 15 hours of continuous use.

Notice and Maintenance

- All service work to be performed by authorised AEC Electronics personnel only.
- Not approved for use in fiery mines.
- Energy Meter EM-3 should only be opened to replace the PP3 9V Zinc Carbon Battery.
- Exposure to temperatures above 60°C will cause permanent damage to the liquid crystal display.

Specifications



Testing Range	Less than 20J.	
Maximum Input Voltage	EM-2: Less than 650V. EM-3: Less than 1250V.	
Accuracy	±1%±0.02J.	
Supply Voltage (EM-2)	220V _{AC} ±10%.	
Battery	Type	PP3 9V Zinc Carbon (EM-3).
	Capacity	Over 15 hours of continuous use. Replace when display shows LO BAT.
Construction	EM-2: Solid state circuitry housed in an IP65 plastic enclosure. EM-3: Solid state circuitry encapsulated in silicone rubber.	
Unit Dimensions	EM-2: 170mm x 130mm x 85mm. EM-3: 102mm x 72mm x 32mm.	
Unit Mass	EM-2: 1.2kg. EM-3: 0.33kg.	
Temperature Range	-5°C to 45°C.	

Warning and Disclaimer

The information and recommendations in this document are provided for reference purposes only and should not be construed as advice to cover every application of the product or variation of conditions under which the product may be used.