

**ESSENTIA.ca**

[www.essentia.ca](http://www.essentia.ca)

100 Bronson Ave, Suite 1001,

Ottawa, ON K1R 6G8

Canada

Ph: (888) 639-7730

Email: [essentia@essentia.ca](mailto:essentia@essentia.ca)

## Wide Range Electromagnetic Meter Model EM2

### Measure the radiation from:

- Smart meters, microwave ovens
- Cell phones, cell towers, WIFI
- AC power lines, household appliances
- Radio and Television broadcast towers
- Police, military, amateur and CB equipment
- CFL bulbs, Florescent lighting
- Cell towers over 2km distance (1.3miles)
- Fastest detector in the industry (18GHz)



Introducing the Essentia **EM2**, a simple to use, high sensitivity electromagnetic meter.

The new design features a fast response analog display for detecting pulsed transmissions from modern digital equipment such as WIFI, cell networks and Smart Meters.

The included rubber boot is comfortable to hold and elegant while providing protection from bumps and falls. The display employs a unique logarithmic scale to capture both very weak and very strong signals without the need to switch ranges. The color coded scale helps to identify safe from dangerous conditions. **EM2** bridges the gap between inexpensive limited response monitors and full spectrum units. No bigger than a mobile phone, **EM2** detects all emitters from ELF (extremely low frequency) up to microwaves.

### Specifications:

- Frequency response: 50 Hz – 10 GHz (-3Db at 18GHz)
- Sensitivity range: .005uW/cm<sup>2</sup> to 40mW cm<sup>2</sup>
- Accuracy: +/- 10% 50 Hz to 10 GHz
- Battery Life: 9V Duracell, 50Hrs
- Operating temperature: -10C to 40C, 14F to 100F
- Mode of detection: Electric Field
- Dimensions: 5"x3"x1.25" (12.8 x 7.5 x 3.3cm)
- Weight: 0.42 lbs, (0.19Kg)