

Uvitec uv meter

reading is in mJ/cm²

normally we use 84 seconds, the reading with the detector in the same place as the plate is about 0.12

energy (mJ/cm²) = intensity (mW/cm²) x time

$$= 0.12 \times 84 = 10 \text{ mJ/cm}^2$$

convert to mJ/m² $\times 10^4$

$$10 \text{ mJ/cm}^2 = 10 \times 10^4 \text{ mJ/cm}^2 = 100 \text{ J/m}^2$$