



K-METRON Radio offers the rotomoulder an easy to use non-destructive method for measuring part wall thickness. Measuring up to 30mm part thickness the K-METRON Radio will transmit the thickness data to a local radio receiver and store it using our K-METRON software.



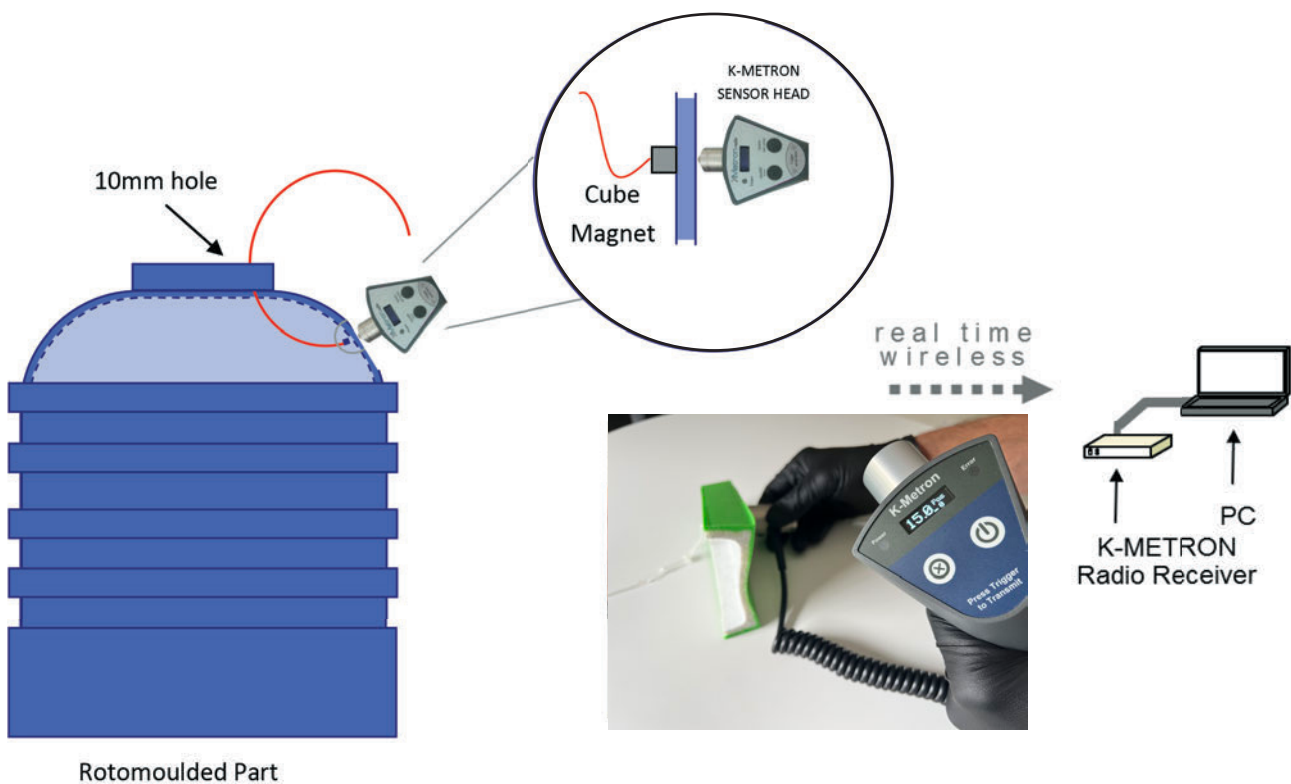
### All non-ferrous materials can be measured with K-Metron:

- Plastics of any density or composition
- Multi-layer products
- Foamed materials
- Laminates
- Fibreglass
- Carbon composites
- Glass
- Aluminium moulds

### Using K-Metron

Hold the sensor head of the K-METRON against the outside surface of the moulding immediately beside a hole of 10mm diameter (minimum), e.g. the vent pipe hole. Insert the spherical magnet (or cube magnet) ensuring that magnetic coupling is maintained between it and the sensor head when inserted. The sensor head can now be tracked around the outside of the moulding whilst maintaining magnetic coupling with the magnet.

The measurement is recorded on a local PC via radio communication by clicking the trigger button on the unit. If the trigger button is held while the K-METRON tracks the mould then the minimum wall thickness will be reported - a useful technique for finding thin spots in mouldings!



### Technical Specification

<b>Range:</b>	2mm to 20mm with magnetic couple. (Less than 2mm can be measured with special adapter)
<b>Accuracy for 10mm spherical magnet:</b>	2mm-13mm: +/- 0.2mm of reading; > 13mm: +/- 1.0mm of reading.
<b>Accuracy for 10mm cuboid magnet:</b>	4mm-17mm: +/- 0.2mm of reading; > 17mm: +/- 1.0mm of reading.
<b>Accuracy for 19mm spherical magnet:</b>	11mm-30mm: +/- 1.0mm of reading
<b>Display Resolution:</b>	0.1mm or 1mm depending on reading & magnet used.
<b>Operating Temperature Range:</b>	15 - 40 degrees C. Note that when measuring hot moulds the sensor head should be periodically cooled to avoid long term drift in sensor accuracy.
<b>Minimum radius measured:</b>	> 5mm with 10mm spherical magnet, >8mm with 10mm cuboid magnet & >10mm with 19mm spherical magnet.
<b>Power supply:</b>	9V Lithium Ion battery
<b>Radio Range:</b>	30m in free air