



**Measure temperature and pressure continuously in your rotomoulding process and:**

- ▶ Optimise heating & cooling cycles
- ▶ Reduce number of reject parts
- ▶ Check safety levels of mould pressures in real time
- ▶ Increase productivity

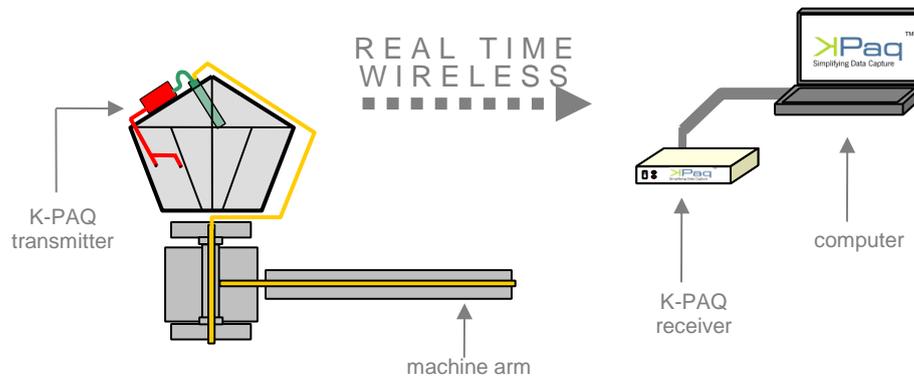


- ▶ Affordable temperature & pressure measurement
- ▶ Coolant packs prevent overheating of electronics
- ▶ Can be used as portable diagnostic or R&D equipment
- ▶ Advanced data recording and display software (Windows 7)

## Lets go to work...

### K-PAQ™

K-PAQ™ is a portable device that conveniently attaches to a rotational mould, measuring mould pressure via the vent pipe and mould temperature via k-type thermocouples. It does this in real time, allowing the moulder to identify faults immediately and observe the response of the mould to changes in processing variables. The user can mount up to 4 K-PAQ transmitters on a machine, enabling up to 16 temperature channels and 4 pressure channels to be recorded at any one time.



### Diagnostics, quality control ...

K-PAQ can be used as a diagnostic and quality control tool to ensure that the mould cavity pressure falls within safe operating limits during pressurisation operations and also to ensure that the mould wall is following the correct temperature profile throughout the process.

### Simple and quick...

K-PAQ™ is attached to the mould framework or the platform using a simple bracket arrangement.

### Prevent over heating of transmitter electronics...

As an added safety feature K-PAQ™ comes with coolant packs to ensure that it does not overheat in the oven. K-PAQ™ is able to withstand oven temperatures up to 300C (662°F) and is sealed to IP65 so that it can be used even if the mouldings are cooled with heavy water spray.

### K-PAQ™

Technical Specification		Thermo-mechanical Specification	
<b>Pressure Measurement</b>	<b>Range:</b> 0 - 0.5 x 10 <sup>5</sup> N/m <sup>2</sup> (0 – 0.5Bar; 0 - 7P.S.I.) <b>Accuracy:</b> +/-0.007 x 10 <sup>5</sup> N/m <sup>2</sup> (0.007Bar; 0.1 P.S.I.) <b>Resolution:</b> 0.007 x 10 <sup>5</sup> N/m <sup>2</sup> (0.007Bar; 0.1 P.S.I.) <b>No. of Channels:</b> 1 Gauge Pipe Line Connected to Pressurised Mould	<b>Operating Range</b>	5 cycles of 20 minutes at 350C (662°F) immediately followed by forced cooling cycle and changing of coolant packs.
<b>Temperature Measurement</b>	<b>Range:</b> 0C (32°F) to +350C (+662°F) <b>Accuracy:</b> +/- 4.0C (7.20°F) <b>Resolution:</b> 0.5C (0.90°F) <b>No. of Channels:</b> 4 Differential Thermocouples Radio Transmission: <b>Range: 30m; Frequency:</b> UHF Low Power License Exempt (417.900-418.100MHz, 433.720-434.120MHz, 800Mhz)	<b>Enclosure Nominal Dimensions</b>	200mm (Diameter); 300mm (Length)
		<b>Enclosure Material</b>	Stainless Steel
		<b>Protection Rating</b>	IP65(protection against dust ingress and water jets)
		<b>Weight</b>	12kg (26.5lbs)