

New MULTI-ARM Feature

- ▶ Identify faults in rotomoulding
- ▶ Reduce reject parts
- ▶ Optimise heating & cooling cycles
- ▶ Check mould pressures in real time
- ▶ Check mould temperatures in real time



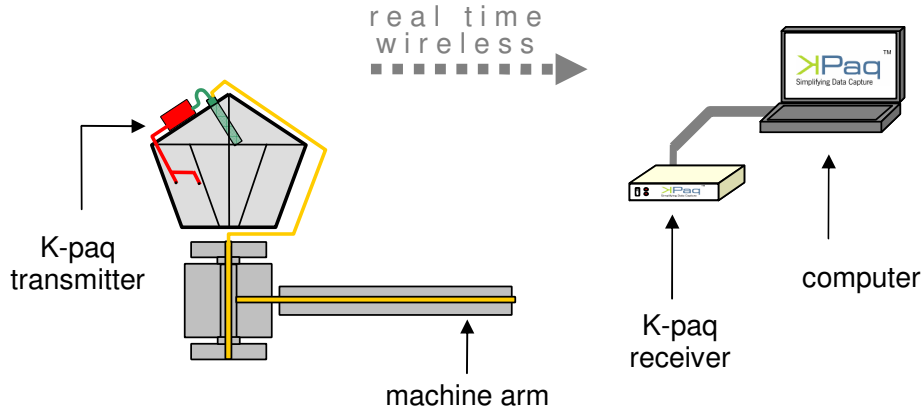
- ◀ Affordable temperature & pressure measurement
- ◀ Coolant Cartridges prevent overheating of electronics
- ◀ Portable diagnostic or R&D equipment
- ◀ Easy to use software (XP, NT, W2K)

493K

Taking Control of Rotational Moulding

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.



Diagnostics, quality control

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

Simple and quick...

K-paq™ comes with disposable cable ties that are used to attach it directly to the mould framework and so does not have a time consuming set-up involving brackets and plates.

Prevent over heating of transmitter electronics...

As an added safety feature K-paq™ comes with coolant cartridges to ensure that it does not overheat in the oven. K-paq™ is able to withstand oven temperatures up to 350C (662°F) and is sealed to IP65 so that it can be used even if the mouldings are cooled with water spray.

K-paq™		
Technical Specification		
Pressure Measurement:	Range	0 - 0.5 x 10 ⁵ N/m ² (0 – 0.5Bar; 0 - 7P.S.I.)
	Accuracy:	+/-0.007 x 10 ⁵ N/m ² (0.007Bar; 0.1 P.S.I.)
	Resolution:	0.007 x 10 ⁵ N/m ² (0.007Bar; 0.1 P.S.I.)
	No. of Channels	1 Gauge Pipe Line Connected to Pressurised Mould
Temperature Measurement:	Range	0C (32°F) to +350C (+662°F)
	Accuracy:	+/- 4.0C (7.20°F)
	Resolution:	0.5C (0.90°F)
	No. of Channels	4 Differential Thermocouples
Radio Transmission		Range: 30m; Frequency: UHF Low Power License Exempt (417.900-418.100MHz, 433.720- 434.120MHz, 800Mhz)
Thermo-mechanical Specification		
Operating Range		5 cycles of 20 minutes at 350C (662°F) immediately followed by forced cooling cycle and changing of ice packs
Enclosure Nominal Dimensions:		200mm (Diameter); 300mm (Length)
Enclosure Material:		Stainless Steel
Protection Rating		IP65(Protection against dust ingress and water jets)
Weight		8kg (17.6lbs)

Distributor:

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493K Limited, 23 Watch Hill Road, Ballyclare, Co. Antrim, BT39 9QW. United Kingdom.

e: solutions@493K.com w: www.493K.com t: +44 (0) 28 93 35 99 22, f: +44 (0) 28 93 35 07 07