

### For Bodymakers manufacturing two piece cans

#### **CATEGORY:** Information For Factory Implementation

**Summary:** Following success of the Electronic Dome Overtravel Gauge (e-DOG), CarnaudMetalbox Engineering have extended its function to include Electronic Ram Alignment checking. The new Ram Alignment Fixture can now be supplied complete with the e-DOG together with full operating instructions and packed in a rugged case. The complete package comprises.-:

#### **1. Electronic Dome Overtravel Gauge.**

This is an essential piece of safety equipment which replaces existing manual methods of measuring dynamic dome overtravel. Operator safety & comfort is improved as the unit operates with all guards shut & interlocked (it puts an end to soakings with coolant).

The device fits onto CMB dome stations without any modifications and also fits most others with a little adapting. The digital display unit is placed outside the guards, in a convenient place, while the machine is run at any speed with or without cans.

Due to high operating speeds the unit is usually set up to display just the peak values, but other set-up modes are available. Full instructions are given in a step by step guide, in the operating manual.

#### **2. Ram Alignment Fixture.**

This offers improvements & savings over the old unit. Using the above digital display unit, reduces costs & delivers a more robust system. With a few simple changes to the unit, it can be used as a very accurate measuring tool. The normal checks in the tool pack area are carried out, using the ram alignment body ("ring") & adapter provided. Full instructions for this are given in the operating manual.

Further savings are possible, as the gauge bodies ("ring") for 8" diameter tool packs are now universal, one body suites all can sizes.

#### **3. Factory Case**

All the above equipment is housed in a tough watertight protective case. For maximum protection, each item has its own pocket cut into the foam interior. The case comes complete with a lid organizer and for maximum portables it is fitted with wheels & a retractable handle.

Refer to Sheet 2 of 2 for Specification details.

For more information about the new Electronic Dome Overtravel Gauge and Ram Alignment Fixture please contact either of the references below quoting Technical Bulletin Number **TB5000-039**



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# Technical Bulletin

**TB5000-039**

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**ENGINEERING**

## Electronic Dome Overtravel Gauge and Ram Alignment Fixture

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#### Transducer Specification:

Measuring Stroke	Standard: $\pm 1$ mm / Compact: $\pm 0.5$ mm
Dust & water ingress protection to	IP65

#### Digital Read-out Specification:

Approximate overall dimensions	125mm deep x 205 x 210mm (excluding the handle/foot)
Power supply	96 - 264v AC 50-60 Hz
Dust & water ingress protection to	IP50
Units of read-out	mm (thousandths & tenths of thousandths of an inch can be set)
Storage temperature	-10 to 70°C
Operating temperature	0 to 40°C
Humidity	10 to 95% - non condensing
Display language	English, German, Italian or French

#### System Specification:

Repeatability	<0.0002mm
Accuracy	< 0.6 % of reading

*Static applications in ideal conditions*

#### Case Specification:

Approximate overall dimensions	630mm long x 500mm wide x 310mm
Body material	Ultra High Impact Structural Copolymer Polypropolyne
Dust & water ingress protection to	IP67
Military Standard	MIL-C-4150- J
Nominal temperature range	-23°C to 99°C

Note: A complete Library of Technical Bulletins is accessible on the Company Web Site.



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