

**News**



## New in-cylinder transducer offers reliable position sensing

13.02.08

**Penny + Giles has launched a new in-cylinder linear displacement transducer for small bore mobile and static hydro-pneumatic actuators.**

The **ICT050** provides reliable, fit-and-forget position sensing of the cylinder rod in actuators with strokes up

to 500mm. It is a robust, non-contact transducer that works on an inductive coil principle, with virtually infinite resolution and is capable of withstanding temperatures up to 200°C and working pressures up to 500Bar.

The new transducer is aimed primarily at the off-highway (construction, agriculture) and utility vehicle market. Its robust construction is ideal for the harsh conditions of lifting and steering position applications and hydro-pneumatic active suspension systems.

**ICT050** has a very efficient body-to-stroke ratio. The overall length is only slightly longer than the working stroke length, facilitating a much more compact installation than can be effected with traditional linear transducer designs. The stroke range covers 25mm to 500mm stroke actuators and the transducer body diameter is just 5.4mm, allowing it to be used in smaller diameter actuators.

The transducer core can be supplied in sleeved, threaded or force-fit variants, with a wide choice of transducer mounting flanges, including SAE1926/2 and ISO6149/2 compatible thread forms.

All configurations are available on rapid delivery, and can be supplied within a few days of ordering. **ICT050** is an addition to the company's existing range of in-cylinder transducers that includes the popular ICT080 and ICT100 for stroke lengths of up to 2,000mm.

All products are manufactured at Penny + Giles's ISO9001 certified facility. For more information about the ICT050 and other linear position sensors available, visit <http://www.pennvandgiles.com/> or phone (USA) +1 562 531 6500 or (Europe) +44 (0) 1202 409409.

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