

# Transducer Test Data

\\Sbs031\Products\Transducers & Sensors\Position Transducers\Waycon eddy current sensors IC2035

**Transducer Type** Waycon IC2035-03-V  
**Test Date** 10/09/2007  
**Tested By** Dave Barker

**Equipment Used** Decade 260, Gain Set to x1, 80 (HSTS modded analogue card)  
Fluke 12 multimeter  
Steel Shim Set

**Method** Shims placed (without obstructing sensor head) to space the sensor head off a metal surface

**Notes** Sensor output will be different dependent upon the material used for to measure (Steel, Stainless, Aluminium etc...)

Sensor output = 0 10Vdc

Sensor Supply = 24Vdc

Sensor Wiring = Black=+Signal, Blue=0V & -Signal, Brown=+Supply(24Vdc)

## Test Data

Gap (Shimmed)	ADC	Vdc
1.90mm	+0148	0.929Vdc
2.20mm	+0222	1.400Vdc
2.50mm	+0330	2.244Vdc
2.80mm	+0428	3.079Vdc
3.50mm	+0706	5.060Vdc
4.00mm	+0878	6.420Vdc
4.50mm	+1024	7.620Vdc
5.00mm	+1156	8.660Vdc
5.50mm	+1274	9.440Vdc

## Calibration Data

Worked out 27/2/08 using test data

**Fsd** 4  
**Units** mm

**Cal** 0.0032  
**Gain** 80  
**ADC Offset** 148  
**Decimal Places** 2

