







## ETher NDE Vantage; A basic weld inspection probe set up procedure;-

Ether NDE Vantage is an eddy current unit used to locate surface breaking defects in coated/uncoated ferritic weldments.

Add. Equipment required;- (a) Lemo to Lemo conn. Lead. (b) Weldscan probe  
(c) 50D carbon steel calibration block, with 0.5, 1.0 & 2.0mm spark eroded slots.












### Weldscan probe connection selection:-

- 1) Turn on unit. 
- 2) Toggle down  on menu at left of screen to  GMR : press   
Toggle down to 'Input' & select 'Lemo 14' by using   functions.

### Initial screen settings:

	100KHz
	7.0dB
	28.0dB
	6V
	310
	LP
	x1
	x1
	x1
	Spot position (centre)

### Mandatory x-check

- 1) Ensure spot is located in the centre of the screen. If it is not then change position in the  icon by using  
- 2) Balance the probe on the calibration block material. (The longitudinal face of the probe should be positioned parallel to the 1mm deep slot). Hold in this position & press  (F1) to balance.
- 3) Traverse over the 1mm deep slot repeatedly adjusting the Gain  & Phase angle  using   until signal from slot is at a vertical / 12o'clock position & 100% f.s.h (full screen height).  
(Increment step values can be altered by pressing  until the desired figure is highlighted for a given field)
- 4) The signal may be centred on the screen by pressing  (F3). This is quicker than the balancing operation; however balancing should always be used when the unit is powered up or when a new probe is fitted.
- 5) Full screen / split screen modes can be accessed by pressing  (F2) until desired mode is displayed.

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