



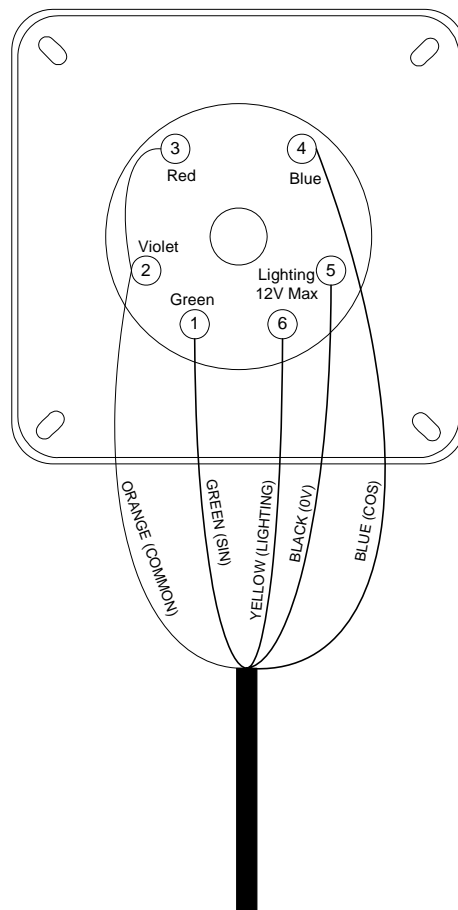
frequently asked questions

Hydra Hercules Systems

“How do I connect a moving card analogue meter to a Hydra Processor?”

Part Number: 215-HL-142
 Description: Analogue Moving Card Compass Display

Hydra Processor Terminal	Analogue Meter Terminal	Cable Colour and Function
1	1	Green (SIN)
2	4	Blue (COS)
9	6	Yellow (12V, Lighting)
10	2 and 3	Orange (Common)
11	5	Black (0V, Ground)



Analogue Meter Configuration

It is necessary to reconfigure the meter drive 1 output from the Computer Unit and set this to HEADING. This is done from any FFD as follows:

- (1) Power up the system with the Enter Key pressed, DIAGNOST appears.
- (2) Press Scroll Up, CNFG SYS appears, press Enter to select this option, now press Enter again to select the METERS option.
- (3) With OPTIONS flashing, press Enter, METER 1 appears. The Scroll Up Key is now used to scroll through the meter drives.
- (4) With METER 1 flashing in the top display, press Enter to reveal the current option assigned to that meter.
- (5) Press Enter, the lower text will flash. Use Scroll Down to scroll through the options until HEADING is shown. Pressing Enter will select this option, and the meter drive will be configured to drive a HEADING meter.
- (6) Press Page to return to normal operation.

Note

If the Moving Card Compass meter has been connected to meter drives 2, 3 or 4, simply substitute the appropriate number into instruction (4).

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Electrical Characteristics

Differential Sin/Cos output (nominal dc voltages with respect to ship's supply negative):

Heading	Function	0°	90°	180°	270°	
Red Core	COS -	1.5V	3.5V	5.5V	3.5V	Cosine Output
Green Core	COS +	5.5V	3.5V	1.5V	3.5V	
Violet Core	SIN -	3.5V	1.5V	3.5V	5.5V	Sine Output
Blue Core	SIN +	3.5V	5.5V	3.5V	1.5V	

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