**customer support department**

# frequently asked questions

**Hydra Hercules Systems**

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

Part Number: 215-HL-142

Y

E

L

L

O

W

(

L

I

G

HT

I

N

G

)

1

2

4

3

5

6

G

R

E

E

N

(

S

I

N

)

O

R

A

N

G

E

(

C

O

M

M

O

N

)

B

L

A

C

K

(

0

V

)

B

L

U

E

(

C

O

S

)

Red

Blue

Green

Violet

Lighting

12

V Max

|  |  |  |
| --- | --- | --- |
| **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) |

Description: Analogue Moving Card Compass Display

**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 EnterKey pressed, DIAGNOST appears.

1. Press Scroll Up, CNFG SYS appears, press Enterto select this option, now press Enteragain to select the METERS option.

1. With OPTIONS flashing, press Enter, METER 1 appears. The Scroll UpKey is now used to scroll through the meter drives.

1. With METER 1 flashing in the top display, press Enterto reveal the current option assigned to that meter.

1. Press Enter, the lower text will flash. Use Scroll Downto 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.

1. Press Pageto 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).

|  |  |
| --- | --- |
| FAQ - Moving card compass to the Hydra Processor.doc  James Duynisveld 18/01/2007 | B&G Customer Support  Premier Way  Abbey Park  Romsey  Hampshire  SO51 9DH  UK      www.bandg.com |

**customer support department**

# frequently asked questions

**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

**Blue Core** SIN + 3.5V 5.5V 3.5V 1.5V Output

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Heading** | **function** | **0** | **90** | **180** | **270** |  |
|  |  |  |  |  |  |  |
| **Green core** | COS+ | 5.5 | 3.5 | 1.5 | 3.5 |  |
|  |  |  |  |  |  |  |
| **Blue core** | SIN+ | 3.5 | 5.5 | 3.5 | 1.5 |  |

d

B&G Customer Support Premier Way

Abbey Park

Romsey

Hampshire

SO51 9DH

UK

FAQ - Moving card compass to the Hydra Processor.doc

James Duynisveld 18/01/2007 www.bandg.com