

**Hoppe Marine****Telegram specification**

Document No.	NMEA HRM Telegram Specification	Revision	Issue
<b>F-03102-30029-TLS</b>	<b>Electronic Inclinometer</b>	<b>1.5</b>	<b>22.11.2018</b>

**1 NMEA Telegram code - RS485 to Voyage Data Recorder**

\$ICHRM,x.x,x.x,x.x,x.x,A,x.x,x.x,hhmmss.ss,xx,xx\*hh<CR><LF>

HRM heel angle, roll period and roll amplitude measurement device optionally capable of memorizing roll peak and hold values.

**Motion Information**

<b>Protocol type:</b>	<b>NMEA/Serial RS485Hoppe PLC:</b>	<b>Master</b>
Interface name:		
Cycle Time	5 Hz , 200 msecond	
Complete cycle	5 Hz , 200 msecond	
Baud rate	38400 Bits/sec – NoParity, 8 Databits, 1 StopBit	
Header	\$IIHRM	
Checksum:	yes	
End of telegram:	CRLF (0x0d 0x0a)	

**Hoppe Data**

1 Actual heel angle	positive to starboard, negative to port
2 Roll period	zero crossing method
3 Roll amplitude Portside	maximum value to portside of the latest motion
4 Roll amplitude Starboard side	maximum value to starboard of the latest motion
5 Status	A = valid data, V = invalid data
6 Roll peak hold value Portside	
7 Roll peak hold value Starboard Side	
8 Peak hold value reset time	
9 Peak hold value reset day	
10 Peak hold value reset month	

**Example**

\$ICHRM,x.x,x.x,x.x,x.x,A,x.x,x.x,hhmmss.ss,xx,xx\*hh<CR><LF>