

Survey Section of ESS

■ Introduction

It adopts the embedded system to process the data, which eliminates manual reading error, obtains multigroup of data from every survey point and carries out self-check automatically. It has been widely used for oil drilling, directional drilling, coal mine construction and vertical wells. It is the update products of the magnetic camera inclinometer.



■ Features

- Adopt mini high precision solid state sensor
- Lower power consumption; rechargeable battery; small OD probe of $\Phi 27\text{mm}(1.06")$
- Provide parameters: attitude, magnetic, temperature and power
- Obtain multi-group of data from every survey point, which have real time clock label
- High reliability; shock resistance up to 3500g(7.7lbs)
- Provide special data-processor or process the data via computer
- The ideal substitute of photographic single shot instrument and compatible with 45mm (1.77") running gear of photographic single shot tool

■ Technical Parameters

• Inclination	0 to 60°/180°	±0.2°
• Azimuth	0 to 360°	±1.0°
• High side tool face	0 to 360°	±0.5°
• Magnetic tool face	0 to 360°	±0.5°
• Magnetic intensity	0 to 100 μT	±0.5 μT
• Magnetic dip	-90° to 90°	±0.5
• Temperature	Up to 125°C / 257°F	±2.0°C/±3.6°F

Beijing Liuhe
www.liu-he.com
LHE3211-S5-V3.5
LHE3012B-AWS -V8.1
Machinehour: 74.7

SN:
Well:
TVD:
MD:
Operator:
Date:
2011-08-08 GMT+08:30

Sample Average
INC=85.8°
AZ=285.8°
GHS=57.0°
MTF=272.3°
TEMP=27.3°C
MT=45.9uT
DIP=54.0°

No.1
Time=10:20:00
INC=90.0°
AZ=290.3°
GHS=94.3°
MTF=308.4°
TEMP=27.3°C
MT=45.0uT
DIP=54.2°

No.2
Time=10:20:01
INC=90.0°
AZ=290.6°
GHS=94.4°
MTF=308.5°
TEMP=27.3°C
MT=45.0uT
DIP=54.1°

No.3
Time=10:20:02
INC=90.0°
AZ=290.8°
GHS=94.7°
MTF=308.7°
TEMP=27.3°C
MT=45.1uT
DIP=54.2°