



Marine India

Quotation 2017-18

Dear Sir,

Refer to your enquiry for **BH Loop tracer system** Model 20BH1khz.

Kindly find attached herewith the quotation for the said item along with the terms and conditions. The proposed system is fully designed and developed by our company and has recognition in the industry. The new system is digital and computer interfaced. Total operations are performed by PC and are fully automatic. The following tests can be performed with BH loop tracer system.

The system measures Magnetic Loop at different temperatures for materials such as ferrites magnetic materials, and other smart magnetic materials. The sample is generally cylindrical, cylindrical ring in shape can be hollow cylinder, or a rod. Two insulated windings are generally done on the sample. One is called primary of known thickness and no of turns. The second is called secondary of known thickness and turns. Electrical AC signal of different frequencies is applied in one and due to magnetization output signal is read simultaneously in secondary winding. A plot B vs H is seen in computer screen.

- BH loop at different frequencies
- BH fatigue measurement

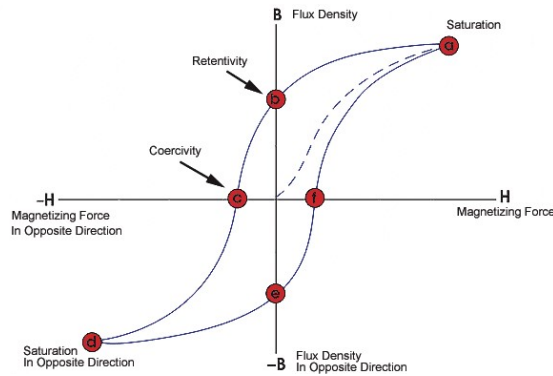
User requirement

User to provide any PC with windows 7 for installation

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A proprietary nature certificate for sole manufacturers in India is also attached herewith.

We hope you will find the attached information in order and remain at your disposal for any information that you may require.

Thanking you

Yours truly,
For Marine India

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PRICE DETAILS

- Complete BH unit with above specifications INR 6,40,000/-
- Temperature attachment RT- 250 degree C INR 70,000/-
- CST @12.5% extra
- From July 1st 2017 GST @18% shall be applicable
- warranty 1 year from date of installation
- Delivery: 60 days from receipt of order
- Payment: 100% advance
- Factory Inspection at Delhi optional
- Intimation of readiness of material

Items included in above price

- BH main unit
- Sample holder
- Silicon oil
- Furnace
- Temperature controller
- RS232 cable and card
- Blue tooth interface
- Interconnecting cable
- One ratio one transformer as test specimen included
- BH software
- Manual 2 copies
- PC to be provided by user

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Data file of BH loop

Following is the data file of the BH loop tracer system

12/11/2016

1:55:35 PM

Sample name =LM II 5

Thickness mm=6.5

Inner dia mm=12.2

Outer dia mm=22.6

Hcoil turns =70

Bcoil turns =60

Saturation =4

User comment=

===== Data follows =====

Rec no. H(oe) B(Gauss)

1	000.258	950.278
2	000.165	950.278
3	-000.099	950.278
4	-000.401	950.278
5	-000.687	950.278
6	-000.913	950.278
7	-000.995	950.278

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8	-001.127	950.278
9	-001.204	950.278
10	-001.276	950.278
11	-001.369	950.278
12	-001.468	950.278
13	-001.600	949.770
14	-001.804	757.245
15	-001.760	100.470
16	-002.112	-657.706
17	-002.453	-954.464
18	-012.957	-954.464
20	-006.261	-954.464
21	-002.029	-954.464
22	-002.381	-954.464
23	-005.186	-954.464
24	-006.682	-954.464
370	-012.731	-954.464
371	-012.786	-954.464
372	-012.753	-954.464
373	-012.704	-954.464
374	-012.742	-954.464
375	-012.726	-954.464
376	-012.687	-954.464
377	-012.638	-954.464
378	-012.594	-954.464
379	-012.610	-954.464

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380	-012.599	-954.464
381	-012.539	-954.464
382	-012.478	-954.464
383	-012.407	-954.464
384	-012.374	-954.464
385	-012.302	-954.464
386	-012.242	-954.464
387	-012.137	-954.464
388	-012.077	-954.464
389	-011.994	-954.464
390	-011.868	-954.464
391	-011.780	-954.464
392	-011.648	-954.464
393	-011.527	-954.464
394	-011.422	-954.464
395	-011.318	-954.464
396	-011.180	-954.464
399	-010.785	-954.464
400	-011.452	-954.464

=====
===== Data ends =====

Coercivity(Oe)=001.959

Remnance(Gaus)=952.371

Max field (Oe)=012.987

Max flux(Gaus)=952.371

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===== file ends =====

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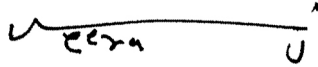
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SOLE MANUFACTURERS CERTIFICATE

2017

This to certify that, BH Loop Tracer System model Model 50BH1khz is a product of our company. We are the sole manufacturers of this kind of system in India. The product is fully designed and developed by our company. The installation of the system shall be performed by our qualified engineer.

Thanking you

A handwritten signature in black ink, appearing to be "U. Srinivas" or similar, written over a horizontal line.

*For Marine India
(Prop.)*

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