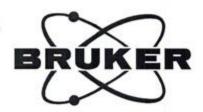


www.IetLtd.com Proudly serving laboratories worldwide since 1979

#### CALL +847.913.0777 for Refurbished & Certified Lab Equipment

# Bruker Avance 300 AV300



BRUKER Magnetics Low Loss Cryostats Superconducting Magnets phone: ++41 1 825 91 11 fax: ++41 1 825 92 15 e-mail: magnetics@bruker.ch service@magnetics.bruker.ch sales@magnetics.bruker.ch

# SUPERCONDUCTING ULTRASHIELD™ NMR MAGNET SYSTEM Coil Number BZH 89/300/70A

Dewar Number D 232/54-3046

IET - Used Lab Equipment - Refurbished Analytical Laboratory Instruments



www.IetLtd.com Proudly serving laboratories worldwide since 1979

## CALL +847.913.0777 for Refurbished & Certified Lab Equipment

3	Superc	Superconducting NMR Magne		et uur	Northan Diag	300/70A		
3.1	Characteristic Data				89- 300/70A			
	Proton Frequency			15	300 MHz			
		Central Field	Central Field			7.05 Tesla		
		Coil Inductance	Coil Inductance			14.4 Henry		
		Magnetic Energy	Magnetic Energy		52	kJoule		
		Magnetic center fro	ic center from top flange *)		459	459 mm		
		Main Coil Heater	Main Coil Heater Current			120 mA		
		Shim Coil Heater O	Current		150 mA			
				Magnet-Test	System-Test	Customer Site		
	Magnet Current A			83,7	a bar	83.8		
	X-Shim Current		Α	+1.13		+2.0		
	Y-Shim Current		Α	+7.66		+8.2		
	Z-Shim Current A			-7,27		-7-2		
	XZ-Shim Current		Α	+0,96		+1.0		
	YZ-Shim Current		Α	-0,14		-		
	XY-Shim Current A			-1,18		-7.78		
	X <sup>2</sup> -Y <sup>2</sup> -Shim Current A			-1,81	a	- 1.81		
	Z <sup>2</sup> -Shim Current A		Α	-5,93	1	-5.09		
	Z <sup>3</sup> -Shim Current A		Α	-3,32		=5.76		
	Frequency change due to kHz		+5,49		1A.			
	Magnetic center from top flange mm			464		464		
	RT Shin	n System Angle **)	Deg	90°		90°		
	Visa	11 A	Street also	DUA				

IET - Used Lab Equipment - Refurbished Analytical Laboratory Instruments



#### UltraShield<sup>™</sup> NMR Magnet System

# UltraShield<sup>™</sup> 300 MHz/54 mm long hold

#### 3.3 Resistance Measurements

### 83-300/70A

from	A	nts at room temperate Connector A		CONTRACTOR OF		
to	L	Connector B	39,5	OHM	Main Heater	
from	C	Connector A		-	-	
to	L	Connector B	4,0	OHM	Z Heater	
from	E	Connector A	1			
to	L	Connector B	4,0	OHM	X Heater	
from	F	Connector A		0.00	Y Heater	
to	L	Connector B	3,9	OHM		
from	Н	Connector A	-	ound	100.00	
to	L	Connector B	3,9	OHM	XZ Heater	
from	1	Connector A	-	ound		
to	L	Connector B	3,8	OHM	YZ Heater	
from	K	Connector A	00	our		
to	L	Connector B	3,8	OHM	XY Heater	
from	L	Connector A		our	-2.2	
to	L	Connector B	3.6	OHM	X <sup>2</sup> -Y <sup>2</sup> Heater	
from	D	Connector A		ОНМ	Z <sup>2</sup> Heater	
to	L	Connector B	3.8			
from	K	Connector B		ОНМ	-1	
to	L	Connector B	3,4		Z <sup>3</sup> Heater	
from	A,B	Connector B	10	ОНМ	Shim Coils +/-	
to	D,E	Connector B	4,3			
from	+	High Curr. Conn.		онм	High Current to Sense +	
to	H	Connector B	1,0			
from	+	High Curr. Conn.			Main Coil	
to	-	High Curr. Conn.	7.4	OHM		
from	-	High Curr. Conn.	al for a logic fails	am	High Current to	
0	J	Connector B	0.9	OHM	Sense -	
from	Н	Connector B	70		Sense +	
0	J	Connector B	4.9	OHM	Sense -	
rom	A,B	Connector B			Shim Coil to	
0	L	Connector B	>SOM	OHM	Heater common	
rom	D,E	Connector B		0111	Shim Coil to Maincoil	
0	Н	Connector B	>30 M	OHM		
rom	Н	Connector B		OHM	Sense to	
0	L	Connector B	>30M		Heater common	
rom		the Connectors			Insulation	
0		the Ground	>30 M	OHM	Magnet to Dewar	
At ro	om tem	perature with connect	tion lead for the	CD* ma	ounted in the cryostat:	
rom	K	Connector ACD*	in read for the A	CD- mo		
0	J	Connector ACD*	MA	OHM	Upper Temperature Sensor PT100	
rom	A	Connector ACD*	7000			
0	B	Connector ACD*	110	OHM	Lower Temperature Sensor PT100	

#### IET - Used Lab Equipment - Refurbished Analytical Laboratory Instruments