

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

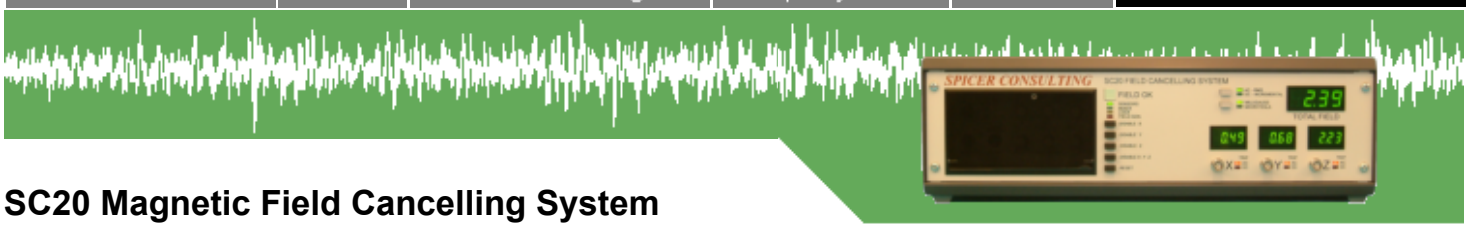
Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Spicer Consulting SC20* at our website: ***Click HERE***



SC20 Magnetic Field Cancelling System

Advanced Magnetic Field Cancelling Solutions

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SC20 Product Specification

COORDINATE SYSTEM	X, Y, Z rectangular Cartesian
UNITS	Gauss, Tesla (switchable)

FIELD CANCELLING

1. SC20-AC Sensor(s)

Components cancelled	X, Y, Z field components
Dynamic range (X & Y)	80 mG (8 µT) pk-pk
Dynamic range (Z)	60 mG (6 µT) pk-pk
Field reduction ratio	50 X (typical) at 50/60Hz
Bandwidth	0.5Hz - 5000Hz
Detector noise limit	2 µG (0.2 nT) pk-pk

2. SC20-Wideband DC sensor(s)

Components cancelled	X, Y, Z field components
Ambient DC field	± 2 G (± 200 µT) max
Dynamic range (X & Y)	± 40 mG (± 4 µT) incremental
Dynamic range (Z)	± 30 mG (± 3 µT) incremental
Field reduction ratio	75 X (typical) at 50/60Hz (incremental) 200 X (typical) at DC (incremental)
Bandwidth	DC - 5000 Hz
Noise and Drift	DC drift/24 hours < 20 µG (2 nT) after 2 hour warm-up DC noise (0.001 - 0.1 Hz) 5 µG (0.5 nT) pk-pk (typical) Spot noise (at 50 Hz) 0.1 µG/√Hz (10 pT/√Hz)

FIELD MEASUREMENT

Types	1. Real time field
	2. AC - true RMS amplitude
	3. Incremental DC (with DC sensor)
Display	
RMS & DC	3.5 digit LED panel meters
Sensor dynamic range	> 24 mG pk-pk (2.4 µT)
Note:	RMS & DC measurement ranges are limited by sensor pk-pk range
Meter range (reading)	0-19.99 mG (1.999 µT) RMS
	± 19.99 mG (1.999 µT) DC
Accuracy	
Note:	sensors are calibrated with 50 Hz, 10mG RMS square wave field.
RMS	± 1.0 % of reading ± 20 µG (2 nT)
Incremental DC	± 5.0 % of reading
Real time field monitor	
Signals	X, Y, Z, real time field
Scaling	1.0 V/mG
Range	>± 10 Volts
Source resistance	10 kOhms
Connectors	3 X BNC
Bandwidth	5 Hz - 20 kHz (AC sensor)
	DC - 5 kHz (DC sensor)
Trip range adjustment	
AC-RMS	0 - 2.0 mG (200 nT)
DC	0 - 5.0 mG (500 nT)

POWER 120/240 V 50/60 Hz, 100 VA

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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