

Subject: <b>EMI/RFI Performance Specification for "PRO" Series Bargraphs</b>	Initial Release Date: <b>05/01/94</b>	Revision Date: <b>07/06/04</b>	Revision: <b>K</b>
	Product Group: <b>Nuclear and Seismic-Rated Bargraphs</b>		

## 1. Purpose

This Product Information Note summarizes the immunity of AMETEK Dixson's PRO-Series bargraphs to conducted and radiated electromagnetic interference (EMI), electrostatic discharge (ESD), and radio frequency interference (RFI).

## 2. Scope

This Product Information Note applies only to the models listed in the table below. For specific test results, call the AMETEK Dixson Sales Department and request a copy of the desired test report.

CLASS II	CLASS 1E	SEISMIC REPORT #	EMI/RFI/ESD REPORT #
BA101P	SA101P	079-11546	079-11457
BA202P	SA202P	079-11546	079-11457
BN101P	SN101P	079-55756	079-56962
BN202P	SN202P	079-55756	079-56962
BH101P	SH101P	079-59984	079-59984
BH202P	SH202P	079-59984	079-59984
AS101P	SS101P	079-11711	079-11408
AS202P	SS202P	079-11711	079-11408
AT033P	ST033P	079-11756	079-11757
AL101P	SL101P	079-11759	079-11758
AL202P	SL202P	079-11759	079-11758

## 3. Performance Specification

Models listed above have been subjected to the electromagnetic interference test listed in the following table. Testing was performed in accordance with TR-102323, referencing MIL-STD-461, MIL-STD-462, IEC-801/1000, and European Standard EN 50082-1 specifications:

SPECIFICATION	TEST STANDARD	TEST PARAMETERS
Conducted Susceptibility	CS101	30 Hz to 50 kHz
Conducted Susceptibility	CS02	50 kHz to 400 MHz
Radiated Susceptibility	RS103	10 kHz to 1 GHz
Conducted Emissions	CE102	50 kHz to 400 MHz
Radiated Emissions	RE102	10 kHz to 1 GHz
Electrical Fast Transients / Bursts	IEC 801-4 (1000-4-4)	
Surge Immunity	IEC 801-5 (1000-4-5)	
Electrostatic Discharge (ESD)	IEC 801-2 (1000-4-2)	Not req'd by TR-102323
Radiated Emissions	RE101	*30 Hz to 100 GHz
Radiated Susceptibility	RS101	*30 Hz to 100 kHz
Conducted Emissions	CE101	*30 Hz to 50 kHz
* Not applicable to all reports		