

Portable Instruments

Models NK and HH

PORTABLE

4-1/2 OR 3-1/2 DIGIT

BATTERY OPERATED



Model NK
Portable



Model HH
Handheld

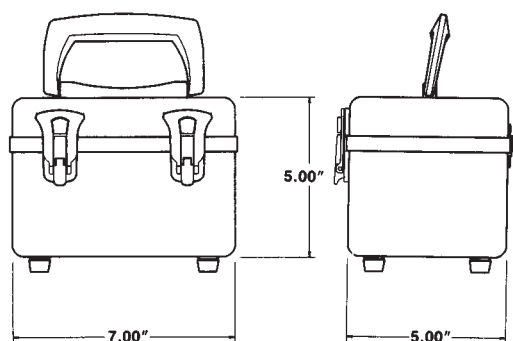
SENSOTEC's Model NK portable instrument features full 4-1/2 digit accuracy while the Hand-Held Model HH has 3-1/2 digits. Both are designed for use in remote field operations as a portable calibrator or readout device. Shunt calibration offers the operator quick field setup with a minimum of warm-up. The Model NK is enclosed in a rugged, weatherproof aluminum carrying case, while the Model HH can be held in the palm of the hand. A peak/hold feature is optional on the Model NK, and standard on the Model HH. Models NK and HH are stocked for quick delivery.

WIRING DIAGRAM

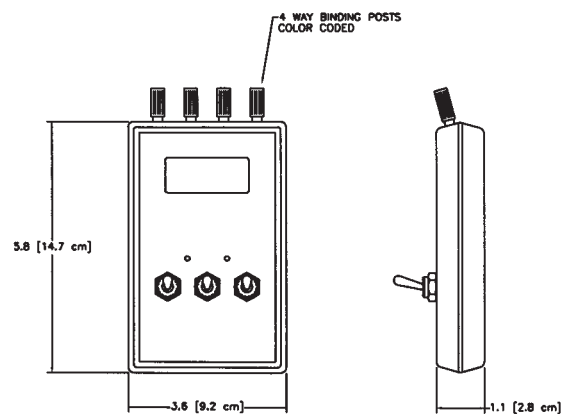
Model NK

- A = + Excitation
- B = + Sense
- C = - Excitation
- D = - Sense
- E = - Input
- F = + Input

Dimensions



Model NK (Order Code AE221)



Model HH (Order Code AE222)

Options (See Appendix)

Input 52c; Outputs 56e (NK only); Special features 58c (Model NK only), 58m

	Model NK Order Code AE221	Model HH Order Code AE222
GENERAL	# Channels 1	1
	Material Deep drawn aluminum case	Hand-held plastic case
ENVIRONMENTAL	Temperature, Storage -20° F to 150° F	-20° F to 150° F
	Temperature, Operating..... 32° F to 130° F	32° F to 130° F
	Power Requirement Batteries - 4 "D" cells	Battery - one 9V cell
TRANSDUCER INTERFACE	Transducer Excitation 4VDC	2.5VDC
	Type of Inputs Accepted5 to 4mV/V	.5 to 4mV/V
	Transducer Bridge Range (ohms).. 350	350
	Pushbutton Shunt Cal Yes	Yes
	Calibration Method..... Manual	Manual
	Electrical Connection Type PT02A-10-6S (mating connector* incl.)	4 banana jacks
	Zero Balance..... ±15% F.S. (min.)	±15% F.S. (min.)
	Noise & Ripple 30 microvolts	30 microvolts
AMPLIFIER CHARACTERISTICS	Full Scale Outputs Available 0-1V (optional)	N/A
	Output Impedance..... <1 ohm (optional)	N/A
	Non-linearity (% F.S.) (max) ±.02%	±0.1%
	Drift (max. zero and span) ±5mv	±50mv
	Stability - Zero (% F.S./yr.)..... 0.1%	1.0%
	Stability - Span (% F.S./yr.) 0.1%	1.0%
	Frequency Response (Hz) 1000 Hz	1000 Hz
	Fine Span Adj. (% Range) ±15%	±15%
	Coarse Span Adj. (% Range) 100%	N/A
	Fine Zero Adj. (% Range) ±15%	±15%
	Coarse Zero Adj. (% Range) 100%	N/A
	Short Circuit Protection Yes	Yes
SPECIAL FEATURES	Peak/Hold..... Yes (optional)	Yes
DIGITAL DISPLAY CHARACTERISTICS	# Display Characters..... 4-1/2	3-1/2
	Conversion/second 1.5	1.5
	Scaling 0-19,999	0-1999
	Scaling Method Potentiometer	Potentiometer
	Maximum Display Count 19,999	1999
	Polarity Indications? Yes	Yes
	Programmable Decimal Pts.? Yes	Yes
	Display Size 0.4"	0.4"
	Overrange Indication?..... Yes	Yes
	Resolution 1/20,000	1/2000
	Type LCD	LCD
	Maximum Sensitivity1µV/count	.1µV/count
PHYSICAL CHARACTERISTICS	Weight 3 lbs.	1 lb.
POWER SUPPLY	Power Requirements..... 4 "D"Cells	One 9V cell
FRONT PANEL	Digital Display 4-1/2 digits LCD	3-1/2 digit LCD
	Environmentally Sealed Weatherproof case	No

General Information

How to order (See Pg. AP-19)

Instrument selection flow chart (See Pg. IN-1)

* PT06A-10-6P (SR) mating connector, Order Code AA119, Page AP-2.

MECHANICAL

Specify: 1) Transducer Sensitivity in mV/V (unless specified set for 3mV/V)
2) Display Scaling (include units)
3) Options

SUNSTAR 商斯达实业集团是集研发、生产、工程、销售、代理经销、技术咨询、信息服务等为一体的高科技企业，是专业高科技电子产品生产厂家，是具有 10 多年历史的专业电子元器件供应商，是中国最早和最大的仓储式连锁规模经营大型综合电子零部件代理分销商之一，是一家专业代理和分销世界各大品牌 IC 芯片和电子元器件的连锁经营综合性国际公司，专业经营进口、国产名厂名牌电子元件，型号、种类齐全。在香港、北京、深圳、上海、西安、成都等全国主要电子市场设有直属分公司和产品展示展销窗口门市部专卖店及代理分销商，已在全国范围内建成强大统一的供货和代理分销网络。我们专业代理经销、开发生产电子元器件、集成电路、传感器、微波光电元器件、工控机/DOC/DOM 电子盘、专用电路、单片机开发、MCU/DSP/ARM/FPGA 软件硬件、二极管、三极管、模块等，是您可靠的一站式现货配套供应商、方案提供商、部件功能模块开发配套商。商斯达实业公司拥有庞大的资料库，有数位毕业于著名高校——有中国电子工业摇篮之称的西安电子科技大学（西军电）并长期从事国防尖端科技研究的高级工程师为您精挑细选、量身订做各种高科技电子元器件，并解决各种技术问题。

更多产品请看本公司产品专用销售网站：

商斯达中国传感器科技信息网：<http://www.sensor-ic.com/>

商斯达工控安防网：<http://www.pc-ps.net/>

商斯达电子元器件网：<http://www.sunstare.com/>

商斯达微波光电产品网：[HTTP://www.rfoe.net/](http://www.rfoe.net/)

商斯达消费电子产品网：<http://www.icasic.com/>

商斯达实业科技产品网：<http://www.sunstars.cn/>

传感器销售热线：

地址：深圳市福田区福华路福庆街鸿图大厦 1602 室

电话：0755-83370250 83376489 83376549 83607652 83370251 82500323

传真：0755-83376182 (0) 13902971329 MSN: SUNS8888@hotmail.com

邮编：518033 E-mail:szss20@163.com QQ: 195847376

深圳赛格展销部：深圳华强北路赛格电子市场 2583 号 电话：0755-83665529 25059422

技术支持：0755-83394033 13501568376

欢迎索取免费详细资料、设计指南和光盘；产品凡多，未能尽录，欢迎来电查询。

北京分公司：北京海淀区知春路 132 号中发电子大厦 3097 号

TEL: 010-81159046 82615020 13501189838 FAX: 010-62543996

上海分公司：上海市北京东路 668 号上海赛格电子市场 2B35 号

TEL: 021-28311762 56703037 13701955389 FAX: 021-56703037

西安分公司：西安高新开发区 20 所(中国电子科技集团导航技术研究所)

西安劳动南路 88 号电子商城二楼 D23 号

TEL: 029-81022619 13072977981 FAX:029-88789382