

A portable single-channel fiber optic signal conditioner for temperature measurement in industrial and laboratory applications.

Key Features

Built-in data logging

-200 to 300°C range

RS-232 Com link

Large LED display

No gage factor or calibration

Accuracy of $\pm 1^\circ\text{C}$

HandyFlex™ Fiber Optic Portable Thermometer



The Neoptix HandyFlex™ offers impressive versatility. Battery operated for maximum user freedom, this single-channel instrument allows you to move freely from one area to another to measure temperatures at various critical sensing points.

The HandyFlex large red LED display provides Celsius or Fahrenheit temperature readings that are easy to view in low-light areas. Display intensity automatically adjust to ambient light conditions. The 6 key, user friendly keypad lets you control all operations, including startup, temperature recording, reading printout, changing time and date, and capturing a reading while recording fast-changing temperature conditions. This multi-purpose instrument also comes with a built-in RS-232 interface to be used for remote interfacing. The instrument is also a perfect match with the optional Neoptix™ Assistant™ control PC software.

The HandyFlex runs on rechargeable Ni-Cad batteries or auxiliary alkaline battery backup, providing power for at least 10 hours of continuous use.

Part of Neoptix's complete line of fiber-optic thermometers, this sturdy instrument has been used for more than 10 years in a variety of fields, for a wide range of industrial and research applications, such as hot spot monitoring inside power transformers during manufacturing and heat runs. It has also been used in various high voltage applications and MW/RF heating applications.

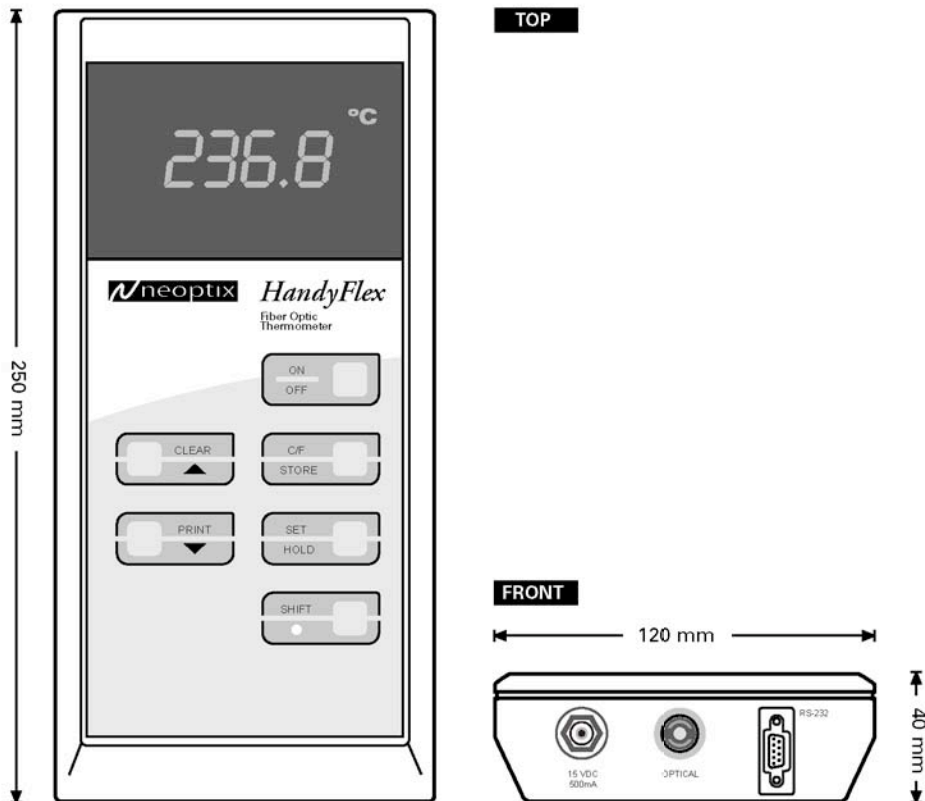
Its accuracy and high degree of sensitivity to temperature changes, as well as the selection of probe models available, make it a natural choice for a wide variety of applications. Moreover, the Neoptix™ sensors are interchangeable and no calibration or inconvenient gage factors are required when changing sensors.

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Technical Specifications



Model:	HandyFlex™
Number of channels:	1
Resolution:	0.1°C (0.1°F)
Precision:	±1°C (1.6°F) or 1 % FS
Response time:	300 milliseconds; probe dependent
Operating temperature:	0 to 45°C (32 to 113°F), non condensing
Storage temperature:	-30 to 60°C (-22 to 140°F)
Display:	Large LED display
Communication port:	RS-232
Operating Mode:	Front panel or Neoptix™ Assistant™ PC Software or RS-232 commands
Data logging function:	Built-in, data plus time and date stamp in ASCII format
Probe temperature range:	-80 to 250°C (-112 to 482°F); Cryogenic range available (down to 5 Kelvin)
Probe compatibility:	All Neoptix temperature probes (see also Note 1)
Power:	12 VDC, 300 mA Internal Ni: Cad batteries with universal charger (100/240 VAC) or auxiliary alkaline batteries (4 X AA)
Dimensions:	250L X 120W X 40D mm
Weight:	950 g
Ordering Code:	HFX



Note 1 : Neoptix™ HandyFlex™ signal conditioner can interface to former Nortech-Fibronic, Inc. fiber optic temperature probes. Please, contact Neoptix for more details.

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