

## TEMPERATURE MONITORS IN NEMA-4X ENCLOSURES

Models 773-N & 776-N (°F) or 783-N & 786-N (°C)

These temperature monitors are housed in polycarbonate NEMA-4X enclosures suitable for continuous use in high humidity or wash-down areas. Features provided on the enclosure are for permanent installation using conventional electrical accessories. These monitors are typically used in the chemical and food processing industries.

### FEATURES:

**Thermocouple type K, T, J or E**, linearized in four sections for good accuracy. See ordering section.

**RTD cold junction** compensates accurately for ambient temperature changes as fast as 2° per minute.

**High impedance circuit** allows use of probes with up to 1000 ft. of 24 ga. wire. With isolation transformer, several monitors can connect to the same probe.

**Large bright LED display** is about ½" high; red for excellent readability. Individual digits are mounted in sockets for simple replacement.

**Long-life rotary selector** for displaying up to 6 thermocouple inputs. Polymer selector shaft is bushing sealed.

**NEMA 4X enclosure** protects the circuits against moisture and corrosion.

**Large selection of probes** from hypodermic needle to ¼" dia. x 6 ft. long probes with or without handles.



**ENGINEERED AND MANUFACTURED IN WI, U.S.A.**

### SPECIFICATIONS:

#### **Display Range:**

-199° to 1999°F or C. Usable range varies with TC type & probe construction (see ordering section).

#### **Measuring Accuracy:**

± ½% of reading ±1 degree using ANSI millivolt-temperature standards.

#### **Instrument Environmental Range:**

-15° to 120°F or -26° to 49°C. May be located in shaded outdoors.

#### **Cold Junction Offset:**

One degree max. for an ambient range of 32° to 110°F or 0° to 43°C.

#### **Display Indication:**

Updated three times per second on LED digits 0.56" (14mm) high.

#### **Construction:**

Molded polycarbonate 4.8"sq x 2.3"dp box with a NEMA-4X rating and external feet for wall mounting. External fasteners are 1/4-turn stainless steel.

#### **Power Requirement:**

Standard model is 120 VAC @ 50/60HZ - optional 24 and 230 VAC are available without cord plug.

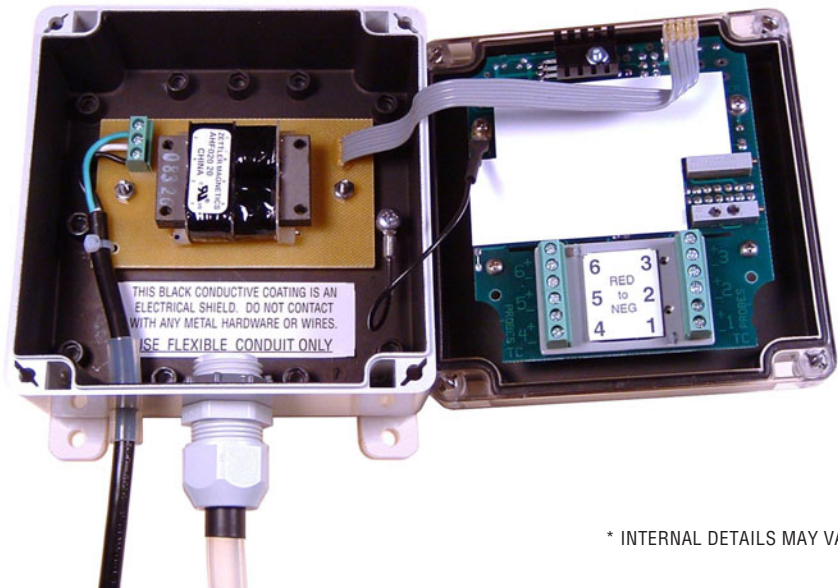
#### **Weight:**

Appx. 1.5 pounds (0.68 Kg.) without probes.

**INTERNAL DETAIL:** Model 9420-0776-N shown.



**INTERIOR DETAIL:** Model 9420-0776-N \*



\* INTERNAL DETAILS MAY VARY.

**ORDERING INFORMATION:**

Refer to sheet titled "PERMANENT INSTALLATION TC PROBES" for the selection of wire and probes to complete any measuring system. All prices listed below are F.O.B. factory or distributor warehouse. Contact distributor listed below for assistance. Products are warranted against material or workmanship defects for a full year from date of shipment.

**NUMBER OF THERMOCOUPLE INPUTS:** \_\_\_\_\_

- 3 Probe Input (3 pos. selector)
- 6 Probe Input (6 pos. selector)

**POWER INPUT:** \_\_\_\_\_

- (without cord plug) 24 VAC 50/60 HZ
- 120 VAC 50/60 HZ
- (without cord plug) 230 VAC 50/60 HZ

**SCALE:** \_\_\_\_\_

- Fahrenheit reading
- Celsius reading

**THERMOCOUPLE CALIBRATION:** \_\_\_\_\_

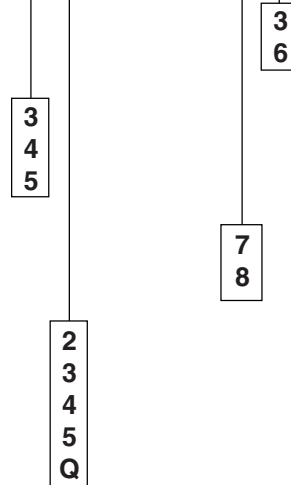
- K** type 1/2% range is -60 to 2000 °F (-50 to 1100°C)
- T** type 1/2% range is -60 to 400 °F (-50 to 205°C)
- J** type 1/2% range is -60 to 1400 °F (-50 to 750°C)
- E** type 1/2% range is -60 to 1650 °F (-50 to 900°C)
- K** type +/-1°F range is -60 to 600 °F (-50 to 315°C)

**INSTALLED OPTIONS:** \_\_\_\_\_

- 7/8" Plain Hole for conduit fitting 0 0 0 0 - 0 8 7 5
- Smaller Fitting for 1/8 -5/16" Dia. cable 7 2 2 5 - 3 2 2 8
- Power Cord 9' with 120vac plug 7 0 8 5 - 5 1 0 3

**OPTION - MODEL**

9      0 - 0 7      - N



Specifications are subject to change without notice

DS-0776-N v07-09

**IMC**®  
**INSTRUMENTS, INC.**  
 468 Liberty Drive, Wittenberg, WI 54499  
 Tel: (715) 253-2801 Fax: (715) 253-2811  
 Website: www.imcinstruments.com

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