









Economy Sensors

	Dimensions	Temperature range	Element options	Case material	Leadwire	Model
	2 leads: .050" x .065" x .035" thick (1.3 x 1.7 x .9 mm) Thin-Film with insulated leads 3 leads: .063" x .098" x .035" thick (1.6 x 2.5 x .9 mm) Thin-Film with insulated leads	-50 to 150°C (-58 to 302°F)	PD, PF	Ceramic	AWG 32 solid enamel insulated	<input type="checkbox"/> S102404
	∅ .125" x .90" (∅ 3.2 x 22.9 mm)	-50 to 260°C (-58 to 500°F)	PD, PF	Stainless steel	AWG 26, PTFE insulated	<input type="checkbox"/> S102409
	∅ .125" x .90" (∅ 3.2 x 22.9 mm)	-50 to 155°C (-58 to 311°F)	PD, PF	Stainless steel	AWG 30, PTFE insulated	<input type="checkbox"/> S102737
	∅ .140" x .40" (∅ 3.6 x 10.2 mm)	-70 to 500°C (-94 to 932°F)	PD, PF	Ceramic	AWG 27, solid glass insulated nickel	<input type="checkbox"/> S102410
	∅ .188" x .90" (∅ 4.8 x 22.9 mm)	-50 to 150°C (-58 to 302°F)	PD, PF	Silicone rubber	AWG 24, silicone rubber insulated	<input type="checkbox"/> S102406
	∅ .188" x 1.25" (∅ 4.8 x 31.8 mm)	-50 to 230°C (-58 to 446°F)	PD, PF	PTFE	AWG 24, PTFE with PTFE jacket	<input type="checkbox"/> S102405
	∅ .188" x 1.25" (∅ 4.8 x 31.8 mm)	-50 to 260°C (-58 to 500°F)	PD, PF	Aluminum	AWG 22, PTFE insulated	<input type="checkbox"/> S102407
	∅ .188" x 2.38" (∅ 4.8 x 60.5 mm)	-70 to 550°C (-94 to 1022°F)	PD, PF	Stainless steel	AWG 22, glass braid insulated	<input type="checkbox"/> S102408

Overview

Economy sensors are designed to be a component of your final assembly. With insulated leads preattached and strain relieved, final construction is easy and reliable.

- Insulated leads of variable length, installed and strain relieved
- Wide temperature range
- Configurations to fit most applications
- Standard 100 Ω platinum, 1000 Ω platinum and 120 Ω nickel elements

Specifications

Insulation resistance: 10 megohms minimum at 100 VDC, leads to case.

Vibration: Withstands 10 to 2000 Hz at 20 G's minimum per MIL-STD-202. Method 204, test condition D.

Element specifications*	Code
Platinum (0.00385 TCR) 100 Ω ±0.12% at 0°C (EN60751, Class B)	<input type="checkbox"/> PD
Platinum (0.00385 TCR) 1000 Ω ±0.12% at 0°C	<input type="checkbox"/> PF

* See descriptions for element options on each model.

Specification and order options

S102408	Model number from table
PD	Element code from table
3	Number of leads: <input type="checkbox"/> 2 leads (not recommended for PD models) or <input type="checkbox"/> 3 leads (only option for S102410PD)
G	Leadwire covering: <input type="checkbox"/> E = Enamel (S102404) <input type="checkbox"/> G = Glass (S102408 and S102410) <input type="checkbox"/> R = Silicone rubber (S102406) <input type="checkbox"/> T = PTFE (S102405, S102407, S102409, S102737)
40	Leadwire length in inches: 40" (1000 mm) standard <input type="checkbox"/> 40, 120
S102408PD3G40 = Sample part number	



STOCKED PARTS AVAILABLE

STANDARD OPTIONS
Specifications subject to change

Minco Global Headquarters
7300 Commerce Lane North
Minneapolis, MN 55432
Tel 763.571.3121 | Fax 763.571.0927
custserv@minco.com

Minco Europe
Tel (33) 5 61 03 24 01
Fax (33) 5 61 03 24 09
custserv.europe@minco.com

Minco Asia Pacific
Tel +(65) 6635 6738
Fax: +(65) 6635 6724
custserv.ap@minco.com

Minco China
Tel +86 10 58783151
Tel +86 10 58783153
Fax: +86 10 58783177
custserv.china@minco.com

Minco Japan
East Office
Tel (81) 44 712 5061
Fax (81) 44 712 5062
custserv.japan@minco.com
West Office
Tel (81) 6-6121-2462
Fax: (81) 6-6121-2463
custserv.japan@minco.com

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