

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

RTD Sensors—Fast Response

Exposed RTD Element with Fiberglass Insulated Lead Wires

ACCURACY IEC CLASS A (±0.15°C @ 0°C)



RTD-2-1PT100KN2528-36-G shown actual size.

- Thermal Response (63%) Less Than 1 Second
- Operating Ranges: -30 to 300°C (-22 to 572°F) Class A Thin Film Element Styles, -100 to 450°C (-148 to 842°F) Class A Wire Wound Element Styles
- 1 m (40") Long 2-, 3-, or 4-Wire #26 AWG Stranded Nickel Plated Copper, Fiberglass Insulated and Jacketed Cable Constructions Available
- Ceramic Cement Insulating Element to Cable Connection

To Order

Model No.	Resistance at 0° and Accuracy	Element Size	Element Type
RTD-2-F3105-36-G	100 ±0.06 Ω, Class A	2 W x 2 mm L	Thin film
RTD-2-F3102-36-G	100 ±0.06 Ω, Class A	4 W x 5 mm L	Thin film
RTD-2-1PT100KN2515-36-G	100 ±0.06 Ω, Class A	1.5 Dia. x 25 mm L	Wire wound
RTD-2-1PT100KN2528-36-G	100 ±0.06 Ω, Class A	2.8 Dia. x 25 mm L	Wire wound
RTD-2-F3145-36-G	1000 ±0.60 Ω, Class A	2 W x 2 mm L	Thin film
RTD-2-F3142-36-G	1000 ±0.60 Ω, Class B	4 W x 5 mm L	Thin film

*For 2-wire, replace **"2"** in model number with **"1"** and subtract cost from price. For 4-wire assembly, replace **"2"** in model number with **"3"** and add cost to price. For longer leads, change **"-36"** in model number to length in inches and add cost for 3- and 4-wire cables or 2-wire cables to the price. For spade style terminal lugs standard termination in stripped leads, add **"-LUG"** to the model number for additional cost. For connectors (3-wire only) add **"-OTP"** to the model number for full sized connector or **"-MTP"** for miniature connector for additional cost.*

***Ordering Examples: RTD-3-F3105-36-G,** 100 Ω, 2 x 2 mm, thin film Pt100 RTD element, Class A accuracy with 4-wire fiberglass insulated cable 1 m (40") long with ceramic cement over connection and stripped leads.*

***RTD-2-1PT100KN2515-36-G-MTP,** 100 Ω, 1.5 Dia. x 25 long mm, Pt100 wire wound element, Class A accuracy with 3-wire fiberglass insulated cable 1 m (40") long with ceramic cement over connection and miniature 3-pin connector.*

Popular Options Include:



DP25B-RTD ⅛ DIN panel meter.



OM-DAQPRO-5300 handheld data logger.



HH804U, handheld meter.



OMEGABOND® high temp chemical set cements.

RTD Sensors—Fast Response

Exposed RTD Element with PFA Lead Wires



RTD-2-F3105-36-T shown actual size.

- Thermal Response (63%) Less Than 1 Second
- High Accuracy Class A, Pt100 and Pt1000 RTD Elements Standard
- Higher Accuracy ⅓ and 1/10 DIN Elements Are Available in Some Styles*
- Operating Range: -30 to 260°C (-22 to 500°F) Class A Thin Film Element Styles, -100 to 260°C (-148 to 500°F) Class A Wire Wound Element Styles
- 1 m (40") Long 2-, 3- or 4-Conductor #26 AWG Stranded Nickel Plated Copper, PFA Insulated and Jacketed Cable Constructions Available
- Epoxy Potting Insulating Element to Cable Connection

***Note:** Temperature range for ⅓ DIN is 0 to 150°C (32 to 302°F) and temperature range for 1/10 DIN is 0 to 100°C (32 to 212°F). Also, note 4-wire configuration only for 1/10 DIN.*

To Order

Model No.	Resistance at 0° and Accuracy	Element Size	Element Type
RTD-2-F3105-36-T	100 ±0.06 Ω, Class A	2 W x 2 mm L	Thin film
RTD-2-F3102-36-T	100 ±0.06 Ω, Class A	4 W x 5 mm L	Thin film
RTD-2-1PT100KN2515-36-T	100 ±0.06 Ω, Class A	1.5 Dia. x 25 mm L	Wire wound
RTD-2-1PT100KN2528-36-T	100 ±0.06 Ω, Class A	2.8 Dia. x 25 mm L	Wire wound
RTD-2-F3145-36-T	1000 ±0.60 Ω, Class A	2 W x 2 mm L	Thin film
RTD-2-F3142-36-T	1000 ±0.60 Ω, Class B	4 W x 5 mm L	Thin film

*For 2-wire, replace **"2"** in model number with **"1"** and subtract cost from price. For 4-wire assembly, replace **"2"** in model number with **"3"** and add cost to price. For ⅓ DIN accuracy, add **"-1/3"** to end of model number for additional cost. For 1/10 DIN accuracy, add **"-1/10"** to the model number for additional cost. (Note: 1/10 DIN option is only available in 4-wire construction). For longer leads, change **"-36"** in model number to length in inches and add cost for 3- and 4-wire cables, or 2-wire cables,for an additional cost. For spade style terminal lugs standard termination in stripped leads, add **"-LUG"** to the model number for additional cost. For connectors (3-wire only) add **"-OTP"** to the model number for full sized connector, or **"-MTP"** for miniature connector for additional cost.*

***Ordering Examples: RTD-3-F3105-36-T-1/3,** 100 Ω, 2 x 2 mm, thin film Pt100 RTD element, ⅓ DIN accuracy with 4-wire PFA insulated cable 1 m (40") long with epoxy over connection and stripped leads.*

***RTD-2-1PT100KN2515-36-T-MTP,** 100 Ω, 1.5 Dia. x 25 long mm, Pt100 wire wound element, Class A accuracy with 3-wire PFA insulated cable 1 m (40") long with epoxy over connection and miniature 3-pin connector.*

Popular Options Include:



CN1A temperature controller.

HE-XT105 PLC/HMI all-in-one.





OM-SQ2010 data logger.

RTD Sensors—Fast Response

Exposed RTD Element with Bare Lead Wires

- Thermal Response (63%) Less Than 1 Second
- Operating Ranges: -30 to 300°C (-22 to 572°F) Class A Thin Film Element Styles, -100 to 450°C (-148 to 842°F) Class A Wire Wound Element Styles
- 1 m (40") Long 2-, 3-, or 4-Wire #26 AWG Solid Nickel Wire



RTD-2-1PT100KN2528-36-B shown actual size.

To Order			
Model No.	**Resistance at 0° and Accuracy**	**Element Size**	**Element Type**
RTD-2-F3105-36-B	100 ±0.06 Ω, Class A	2 W x 2 mm L	Thin film
RTD-2-F3102-36-B	100 ±0.06 Ω, Class A	4 W x 5 mm L	Thin film
RTD-2-1PT100KN2515-36-B	100 ±0.06 Ω, Class A	1.5 Dia. x 25 mm L	Wire wound
RTD-2-1PT100KN2528-36-B	100 ±0.06 Ω, Class A	2.8 Dia. x 25 mm L	Wire wound
RTD-2-F3145-36-B	1000 ±0.60 Ω, Class A	2 W x 2 mm L	Thin film
RTD-2-F3142-36-B	1000 ±0.60 Ω, Class B	4 W x 5 mm L	Thin film

*For 2-wire, replace **"2"** in model number with **"1"** and subtract cost from price. For 4-wire assembly, replace **"2"** in model number with **"3"** and add cost to price. For longer leads, change **"-36"** in model number to length in inches and add cost for 3- and 4-wire cables or 2-wire cables for additional cost.*

***Ordering Examples: RTD-3-F3105-36-B,** 100 Ω, 2 x 2 mm, thin film Pt100 RTD element, Class A accuracy with 4-wire bare conductors, 1 m (40") long with no ceramic cement over connection and stripped leads.*

***RTD-2-1PT100KN2515-36-B,** 100 Ω, 1.5 Dia. x 25 long mm, Pt100 wire wound element, Class A accuracy with 3-wire bare conductors, 1 m (40") long with no ceramic cement over connection.*

Popular Options Include:



FBGS-N-24 fiberglass sleeving.



OM-CP-OCTRTD data logger.



FRX-02018 thermocouple insulators.



OMEGABOND® high temp chemical set cements.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP