

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

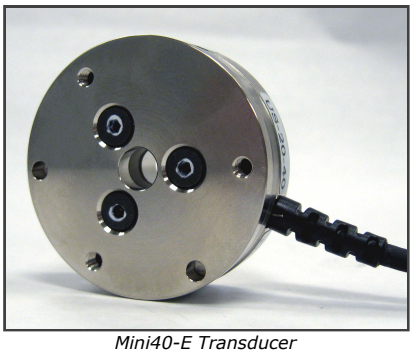
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F/T Sensor: mini40

Product Advantages

- The Mini40 has a compact, low-profile design with a through-hole for passage of cables.
- Extremely-High Strength: EDM wire-cut from high yield-strength stainless steel. Maximum allowable overload values are 4.2 to 18.9 times rated capacities.
- High Signal-to-Noise Ratio: Silicon strain gages provide a signal 75 times stronger than conventional foil gages. This signal is amplified, resulting in near-zero noise distortion.
- Industrial Strain Relief Version Available: E-exit version of this transducer is also available and offers resistance to a 10 lb cable pull force.
- IP65 and IP68 (10m) Versions Available: The IP65 version of the transducer is protected against water spray. The IP68 version is submergible in fresh water to a depth of 10 meters.



Mini40-E Transducer

Typical Applications

- Telerobotics
- Robotic surgery
- Robotic-hand research
- Finger-force research

Ranges and Resolutions | Specifications | Drawings | Documents | 3D CAD Models

Select a system type. (For more information on system types, please see our F/T Product Description page.)

(●) 16-Bit DAQ, ECAT, Net, TWE or WNet F/T System ( ) Controller F/T System

Standard Calibrations (US)

Calibration	Fx,Fy	Fz	Tx,Ty	Tz	Fx,Fy	Fz	Tx,Ty	Tz
US-5-10	5 lbf	15 lbf	10 lbf-in	10 lbf-in	1/800 lbf	1/400 lbf	1/800 lbf-in	1/800 lbf-in
US-10-20	10 lbf	30 lbf	20 lbf-in	20 lbf-in	1/400 lbf	1/200 lbf	1/400 lbf-in	1/400 lbf-in
US-20-40	20 lbf	60 lbf	40 lbf-in	40 lbf-in	1/200 lbf	1/100 lbf	1/200 lbf-in	1/200 lbf-in
	SENSING RANGES				RESOLUTION			

View Standard (US) Complex Loading Graph

Metric Calibrations (SI)

Calibration	Fx,Fy	Fz	Tx,Ty	Tz	Fx,Fy	Fz	Tx,Ty	Tz
SI-20-1	20 N	60 N	1 Nm	1 Nm	1/200 N	1/100 N	1/8000 Nm	1/8000 Nm
SI-40-2	40 N	120 N	2 Nm	2 Nm	1/100 N	1/50 N	1/4000 Nm	1/4000 Nm
SI-80-4	80 N	240 N	4 Nm	4 Nm	1/50 N	1/25 N	1/2000 Nm	1/2000 Nm
	SENSING RANGES				RESOLUTION			

View Metric (SI) Complex Loading Graph

*The resolution is typical for most applications and can be improved with filtering.
**Resolutions quoted are the effective resolution after dropping four counts of noise.
***Applied loads must be within range in each of the six axes for the F/T sensor to measure correctly.

ATI's F/T calibrations are traceable to the National Institute of Standards and Technology (NIST). ATI certifies sensors are calibrated in accordance with applicable ATI procedures. These procedures are compliant with the ISO 9001 standard to ensure that products are within ATI specifications.

Contact your sales representative for accuracy information.

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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.

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

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