

TENSITRON™

A KTC Instruments Company



TENSION TRANSDUCERS

REMOTELY MONITOR AND CONTROL TENSION

CONTINUOUSLY MONITOR AND RECORD TENSION

Precise, measurable quality control • Uniquely suited to your project requirements



DEPENDABLE

Save time and cost

- Precise, high-speed sensors
- Permanently mounted for stable readings
- Customized rollers and calibration for your application



CONVENIENT

User-friendly



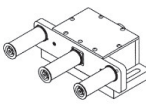
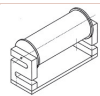



- Continuous monitoring and recording
- Remote display
- Automatic process control
- Wide variety of designs to match the needs of your installation

CONTINUOUS MONITORING SOLUTIONS

1. Select from Tape, Web, and Belt Transducers or Fiber, Wire, and Cable Transducers
2. Choose a Signal Conditioner to utilize the signal
3. Transducer system will be customized for your application



TAPE, BELT, AND WEB TRANSDUCERS

MODEL	DESCRIPTION	RANGE	IMAGE
E-415-003	Small Space Transducer with 3 rollers	5 - 5,000 g (11 lb)	
E-200-00	Cantilever Transducer	1 - 25 lb	
E-091-02	Low Force Load Cell with Cylindrical Rollers	1 - 100 lb	
4260	Single Roller Web Transducer	2 - 200 lb	
E-095-04	Notched Beam Transducer with Cylindrical roller	25 - 250 lb	
E-210-00	S Column Transducer	5 - 250 lb	
E-202-00	Pillow Block Load Cell Transducer	25 - 1,000 lb	

SIGNAL CONDITIONER

OMEGA STRAIN METER / CONTROLLER










- Big, bright LED display
- Scaling in wide range of engineering units
- Built-in excitation
- Tare button
- Choose 115 VAC or 230 VAC
- Gross/net reading or peak reading software configurable

OPTIONS

- Analog Output • Dual 5A Relays



FIBER, WIRE, AND CABLE TRANSDUCERS

MODEL	DESCRIPTION	RANGE	IMAGE
Tension up to 5,000 g (11 lb)			
FT-107	Small Space Fiber Transducer	5 - 5,000 g	
FT-116	Low Profile 3 Roller Sensor	5 - 5,000 g	
FT-117	Single Roller Sensing Beam	5 - 5,000 g	
E-415-002	Small Space Transducer with Single Roller	5 - 5,000 g	
F-1806	Platform Mounted Fiber Transducer	5 - 5,000 g	
Tension up to 100 lb			
E-090-00	Single Roller Low Force Load Cell	1 - 100 lb	
E-091-00	3 Roller Low Force Load Cell	1 - 100 lb	
Tension up to 1,000 lb			
E-095-01	Notched Beam Transducer	10 - 1,000 lb	
E-095-03	3 Roller Notched Beam Transducer	10 - 1,000 lb	

Signal conditioners use the input from the transducer and provide the excitation, amplification, signal conditioning, calibration functions, display/readout, and other options necessary for your application. We offer the OMEGA DP25B Series. You can also source your own signal conditioner, and we will provide you with wiring instructions to connect it.