Super Stock

Foil Strain Sensor for Stress Analysis

C2A-06-125LW-350

MICRO MEASUREMENTS
A **VPG** Brand

Customer Requirements

- Temperature range: >–60°F to +180°F (–50°C to +80°C)

- Uniaxial strain pattern with a 0.125 inch active grid length and fully encapsulated

- Temperature compensated for Concrete, Steel, Stainless (17-4 and 17-7)

- Resistance: 350 Ω

- Leadwire: 10 ft of 326-DFV, preattached

- Elongation: ±3% (30,000 με) one time elongation; ±1500 με for 10^6 cycles

- Pre-attached vinyl insulated cables makes installation fast and much easier

Example of cable bundle

Applications

- Automotive

- Oilfield

- Composites testing

- Rail

- Crane

- Other applications on steel alloys

Datasheet:
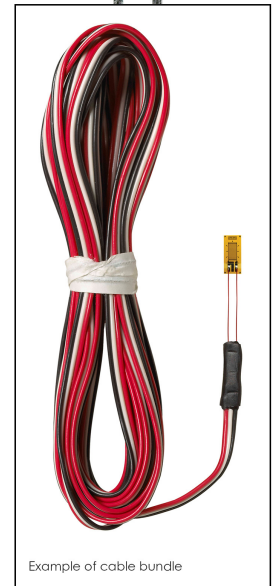http://www.vishaypg.com/doc?11200

Super Stock

Foil Strain Sensor for Stress Analysis

C2A-06-250LW-350

MICRO MEASUREMENTS
A **VPG** Brand

Customer Requirements

- Temperature range: >–60°F to +180°F (–50°C to +80°C)

- Uniaxial strain pattern with a 0.250 inch active grid length and fully encapsulated

- Temperature compensated for Concrete, Steel, Stainless (17-4 and 17-7)

- Resistance: 350 Ω

- Leadwire: 10 ft of 326-DFV, preattached

- Elongation: ±3% (30,000 µε) one time elongation; ±1500 µε for 10^6 cycles

- Pre-attached vinyl insulated cables makes installation fast and much easier

Example of cable bundle

Applications

- Automotive

- Oilfield

- Composites testing

- Rail

- Crane

- Other applications on steel alloys

Datasheet:
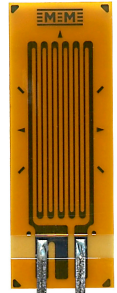http://www.vishaypg.com/doc?11297

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Super Stock

Foil Strain Sensor for Stress Analysis

C2A-06-125LT-350

MICRO MEASUREMENTS
A **VPG** Brand

Customer Requirements

- Temperature range: >–60°F to +180°F (–50°C to +80°C)

- Biaxial strain pattern (T-rosette) with a 0.125 inch active grid length and fully encapsulated

- Temperature compensated for Concrete, Steel, Stainless (17-4 and 17-7)

- Resistance: 350 Ω

- Leadwire: 10 ft of 326-DFV, preattached

- Elongation: ±3% (30,000 µε) one time elongation; ±1500 µε for 10^6 cycles

- Pre-attached vinyl insulated cables makes installation fast and much easier

Applications

- Automotive

- Oilfield

- Composites testing
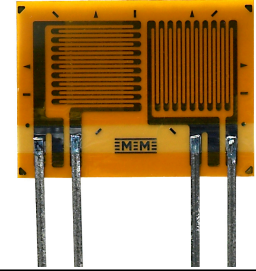
- Rail

- Crane

- Other applications on steel alloys including structural health monitoring (SHM), pressure vessel and tank applications where maximum and minimum, or longitudinal and hoop, strain measurements are required
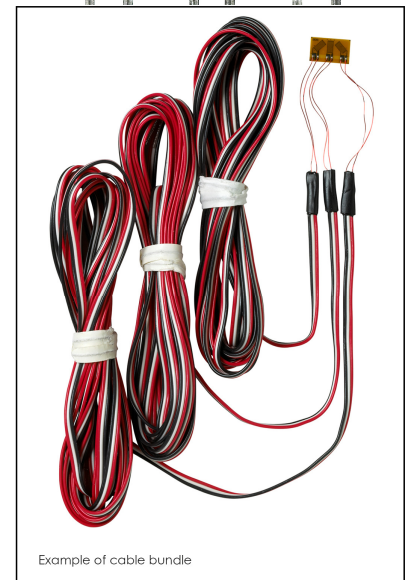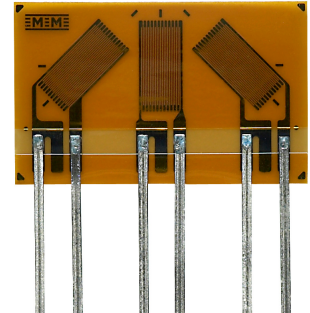
Datasheet:
http://www.vishaypg.com/doc?11199

Example of cable bundle

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Super Stock

Foil Strain Sensor for Stress Analysis

C2A-06-125LR-350

Customer Requirements

- Temperature range: >–100°F to +350°F (–75°C to +175°C)

- Three-element rectangular rosette pattern with a 0.125 inch active grid length and fully encapsulated

- Temperature compensated for Concrete, Steel, Stainless (17-4 and 17-7)

- Resistance: 350 Ω

- Large copper tabs allow for direct lead attachment

- Elongation: ±3% (30,000 με) one time elongation; ±1500 με for 10^6 cycles

- Ideal for stress states where the magnitude and direction need to be determined

- Pre-attached vinyl insulated cables makes installation fast and much easier

- Three discrete measurements allow for calculation of maximum and minimum principal strains, direction, shear strains as well as tension/compression measurements

Example of cable bundle

Applications

- Automotive

- Oilfield

- Composites testing

- Rail

- Crane

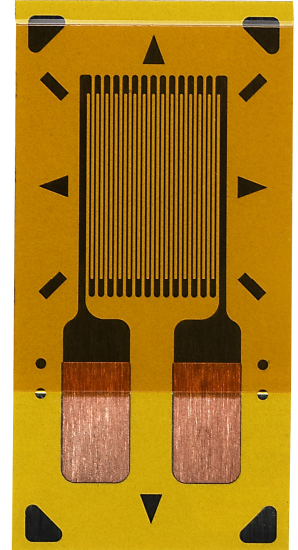- Other applications on steel alloys including structural health monitoring (SHM)

Datasheet:
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Super Stock

Foil Strain Sensor for Stress Analysis

CEA-06-125UN-350

MICRO MEASUREMENTS
A **VPG** Brand

Customer Requirements

- Temperature range: >–100°F to +350°F (–75°C to +175°C)

- Uniaxial strain pattern with a 0.125 inch active grid length and fully encapsulated

- Temperature compensated for Concrete, Steel, Stainless (17-4 and 17-7)

- Resistance: 350 Ω

- Large copper tabs allow for direct lead attachment

- Elongation: ±3% (30,000 με) one time elongation; ±1500 με for 10^6 cycles

Applications

- Automotive

- Oilfield

- Composites testing

- Rail
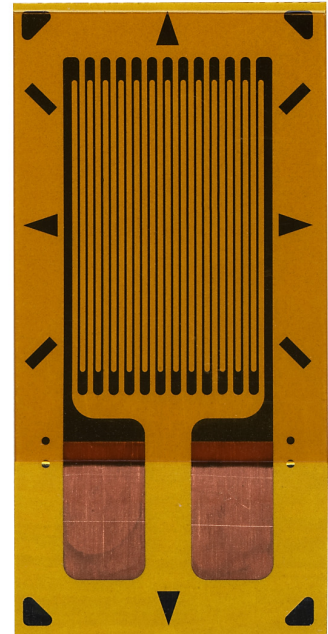
- Crane

- Other applications on steel alloys

Datasheet:
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Super Stock

Foil Strain Sensor for Stress Analysis

CEA-06-250UW-350

MICRO MEASUREMENTS
A **VPG** Brand

Customer Requirements

- Temperature range: >–100°F to +350°F (–75°C to +175°C)

- Uniaxial strain pattern with a 0.250 inch active grid length and fully encapsulated

- Temperature compensated for Concrete, Steel, Stainless (17-4 and 17-7)

- Resistance: 350 Ω

- Large copper tabs allow for direct lead attachment

- Elongation: ±3% (30,000 µε) one time elongation; ±1500 µε for 10^6 cycles

Applications

- Automotive

- Oilfield

- Composites testing

- Rail

- Crane

- Other applications on steel alloy

Datasheet:
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Super Stock
Foil Strain Sensor for Stress Analysis

CEA-03-250UW-350

MICRO
MEASUREMENTS
A VPG Brand

Customer Requirements

- Temperature range: >–100°F to +350°F (–75°C to +175°C)

- Uniaxial strain pattern with a 0.250 inch active grid length and fully encapsulated

- Temperature compensated for Composites

- Resistance: 350 Ω

- Large copper tabs allow for direct lead attachment

- Elongation: ±3% (30,000 µε) one time elongation; ±1500 µε for 10^6 cycles
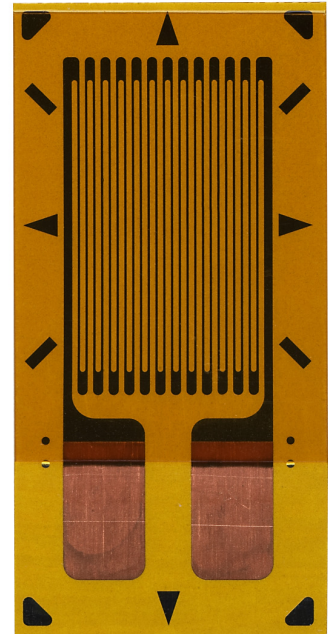
Applications

- Aerospace

- Civil Engineering

- Energy

- Composites testing

- And many more

Datasheet:
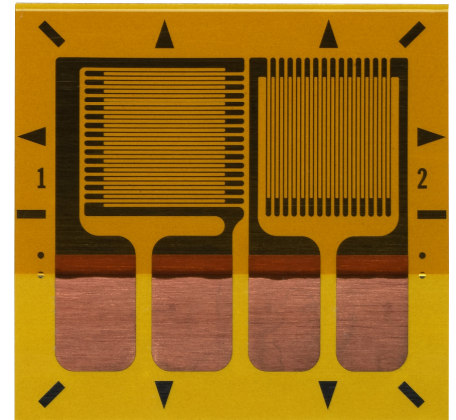http://www.vishaypg.com/doc?11312

Super Stock

Foil Strain Sensor for Stress Analysis

CEA-06-125UT-350

MICRO **MEASUREMENTS**
A **VPG** Brand

Customer Requirements

- Temperature range: >–100°F to +350°F (–75°C to +175°C)
- Biaxial strain pattern (T-rosette) with a 0.125 inch active grid length and fully encapsulated
- Temperature compensated for Concrete, Steel, Stainless (17-4 and 17-7)
- Resistance: 350 Ω
- Large copper tabs allow for direct lead attachment
- Elongation: ±3% (30,000 µε) one time elongation; ±1500 µε for 10^6 cycles
- Ideal for biaxial stress states where direction is known

Applications

- Automotive
- Oilfield
- Composites testing
- Rail
- Crane
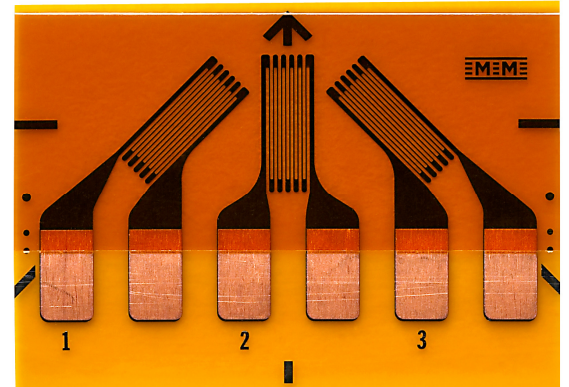- Other applications on steel alloys

Datasheet:
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Super Stock

Foil Strain Sensor for Stress Analysis

CEA-06-125UR-350

Customer Requirements

- Temperature range: >–100°F to +350°F (–75°C to +175°C)

- Three-element rectangular rosette pattern with a 0.125 inch active grid length and fully encapsulated

- Temperature compensated for Concrete, Steel, Stainless (17-4 and 17-7)

- Resistance: 350 Ω

- Large copper tabs allow for direct lead attachment

- Elongation: ±3% (30,000 με) one time elongation; ±1500 με for 10^6 cycles

- The three discrete measurements allow for calculation of maximum and minimum principal strains, direction, shear strains as well as tension/compression measurements

Applications

- Automotive

- Oilfield

- Composites testing

- Rail

- Crane

- Other applications on steel alloys

Datasheet:
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