Super Stock

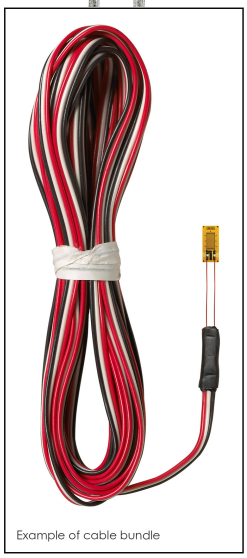
Foil Strain Sensor for Stress Analysis

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

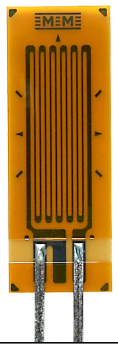
Datasheet:
http://www.vishaypg.com/doc?11200

Super Stock

Foil Strain Sensor for Stress Analysis

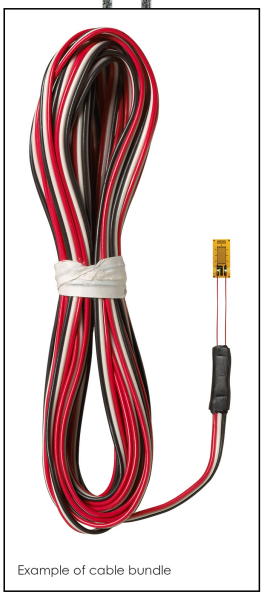
C2A-06-250LW-350

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

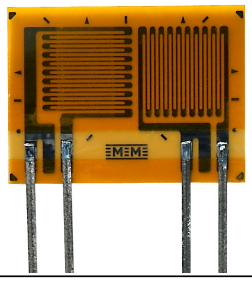
Super Stock

Foil Strain Sensor for Stress Analysis

C2A-06-125LT-350

MICRO MEASUREMENTS
A VPG Brand

Customer Requirements



Example of cable bundle

- 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

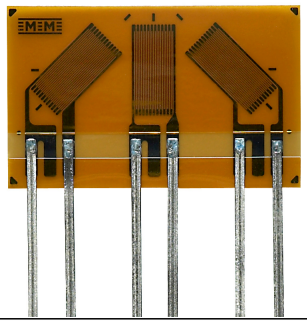
Super Stock

Foil Strain Sensor for Stress Analysis

C2A-06-125LR-350

MICRO MEASUREMENTS
A VPG Brand

Customer Requirements



Example of cable bundle

- 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

Applications

- Automotive
- Oilfield
- Composites testing
- Rail
- Crane
- Other applications on steel alloys including structural health monitoring (SHM)

Datasheet:
http://www.vishaypg.com/doc?11198

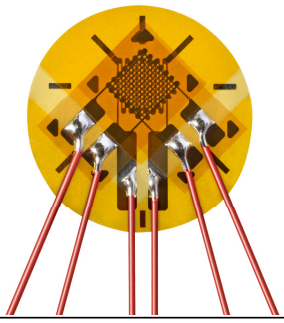
Super Stock

Foil Strain Sensor for Stress Analysis

C2A-06-G1350-120/SP70

MICRO MEASUREMENTS
A VPG Brand

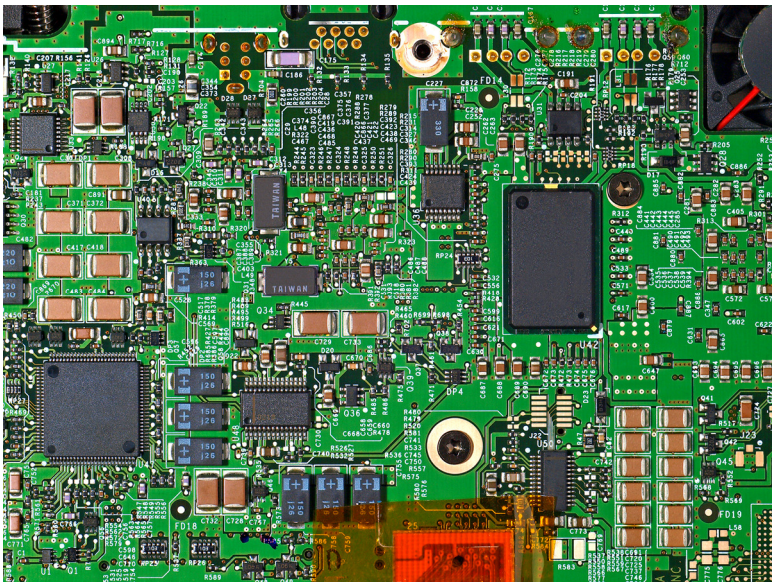
Customer Requirements



Example of cable bundle

- Temperature range: >–60°F to +180°F (–50°C to +80°C)
- Miniature (5mm diameter matrix) three-element stacked rosette
- Temperature compensated for FR4 Circuit Board, Steel
- Resistance: 350 Ω
- Leadwire: 10 ft of 326-DFV, preattached
- Elongation: ±3% (30,000 με) one time elongation; ±1500 με for 10^6 cycles
- Ideal for placement with limited space such as the corners of BGA's for testing per IPC/JEDEC publications
- The three discrete measurements allow for calculation of maximum and minimum principal strains, direction, shear strains as well as tension/compression measurements

Applications



- Circuit Board Testing
- Automotive
- Aircraft
- Where small footprint with less averaging is required

Datasheet:
http://www.vishaypg.com/doc?11377