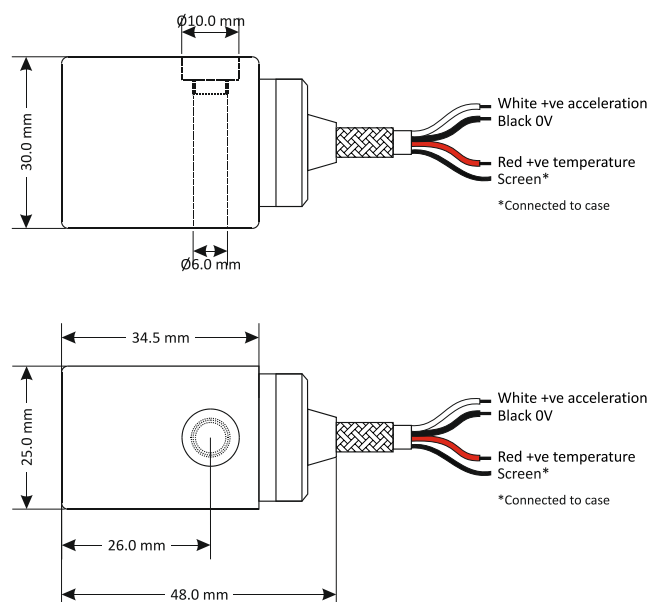


Dual purpose, side-entry, constant current accelerometer with isolated AC (g) and temperature outputs. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Sealed to IP67 and includes stainless steel overbraided ETFE cable.

MTN/1100STC



Dimensions



Applications

- Data collection
- General industry
- Paper machinery
- Pumps, fans, etc

Technical

| | |
|----------------------|-----------------------------------|
| Standard sensitivity | 100mV/g $\pm 10\%$ nominal @ 80Hz |
|----------------------|-----------------------------------|

| | |
|--------------------------------|-----------------------------|
| Temperature output sensitivity | 10mV/°C (range 2° to 100°C) |
|--------------------------------|-----------------------------|

| | |
|--------------------|---------------------------------------|
| Frequency response | 2Hz to 10kHz $\pm 5\%$ (-3dB @ 0.8Hz) |
|--------------------|---------------------------------------|

| | |
|------------------------|-----------------|
| Mounted base resonance | 18kHz (nominal) |
|------------------------|-----------------|

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|-----------|---------------|
| Isolation | Base isolated |
|-----------|---------------|

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|---------------|-----------|
| Dynamic range | $\pm 80g$ |
|---------------|-----------|

| | |
|------------------------|--------------|
| Transverse sensitivity | Less than 5% |
|------------------------|--------------|

| | |
|------------------|-----------|
| Electrical noise | 0.3mg max |
|------------------|-----------|

| | |
|---------------|------------|
| Current range | 0.5 to 8mA |
|---------------|------------|

| | |
|-----------------------|--------------|
| Operating temperature | -55 to 140°C |
|-----------------------|--------------|

| | |
|--------------|------------------|
| Bias voltage | 12V DC (nominal) |
|--------------|------------------|

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|---------------|-----------------|
| Case material | Stainless steel |
|---------------|-----------------|

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|-------|---|
| Cable | Integral stainless steel overbraided ETFE |
|-------|---|

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|-----------------------|----|
| Standard cable length | 5m |
|-----------------------|----|

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|----------------------|------|
| Maximum cable length | 100m |
|----------------------|------|

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|-----------------|-----|
| Mounting torque | 8Nm |
|-----------------|-----|

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|--------|----------------|
| Weight | 170g (nominal) |
|--------|----------------|

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|---------|------|
| Sealing | IP67 |
|---------|------|

Options

- Other sensitivities (see below)

| Part # | Mounting | xx = Optional sensitivity (±10%) |
|------------------|------------------|----------------------------------|
| MTN/1100STC-xx | ¼"-28 UNF x 33mm | 10 |
| MTN/1100STCM6-xx | M6 x 35mm | 25 |
| MTN/1100STCM8-xx | M8 x 28mm | 30 |
| | | 50 |

System connection

