

Power Tile® Energy Harvester

For use with 4-20mA HART, Foundation Fieldbus, and other line-powered devices

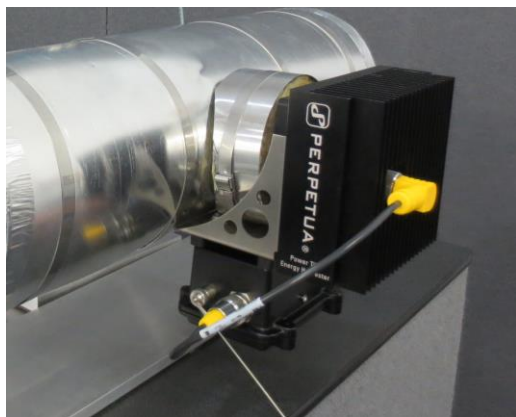


Perpetua Power Tiles provide continuous, reliable thermoelectric power for the life of devices that are typically line-powered.

Depending on the amount of temperature difference between the heat source and the ambient air, Power Tiles will operate line-powered devices including HART and Foundation Fieldbus 4-20mA instrumentation. For example, where steam is the source of heat, Power Tiles support full 20mA loop operation for devices that include flow, vortex, and differential pressure transmitters.

Features

- Integrated design for quick installations
- Rugged, maintenance-free design
- Seven-day battery backup, with a port for supplemental long-life backup power
- IP67 and RoHS compliant
- Turck connectivity
- Compact size, with overall dimensions of 252.4 mm x 252.4 mm
- Standard mounting on 2- or 3-inch NPS diameter pipes. Mounting accessories for other pipe sizes available by special order.



Benefits

- Allows for HART and Foundation Fieldbus devices to be deployed without the need for line power—eliminating the cost and time required for adding wired infrastructure
- Operates reliably in environments where dust, moisture, debris, and extreme temperatures are common
- Integrated, single-unit design allows for quick installation—minimizing both cost and downtime
- Replaces or augments other power sources, including solar, by linking multiple Power Tiles to meet demanding power requirements
- Supports power requirements to convert HART-based devices to Wireless HART

Power Tile® Energy Harvester: P/N 00174-01

To order, contact Perpetua.

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