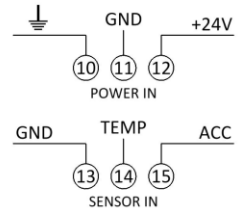
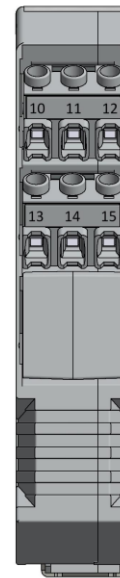
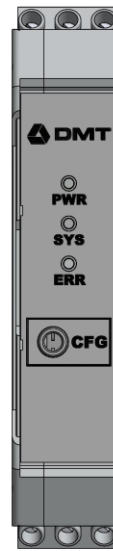
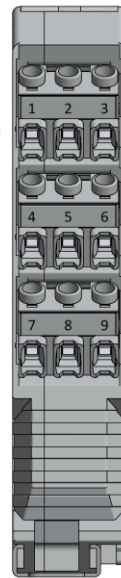
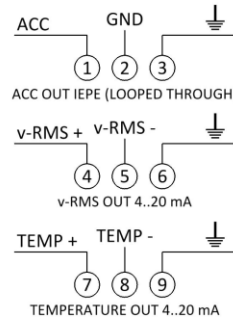


Also available as
IoT variant with LTE and WLAN connection!

DMT VibraTherm

Transmitter for vibration and temperature sensors in industrial maintenance



Intended use

- Transmitter for vibration monitoring of machines
- Connection of a vibration transducer with IEPE interface to determine the **vibration velocity**
- In combination there is the possibility to connect a **temperature sensor**
- Configurable bandpass for optimal adjustment to the requirements of the machine
- Pickup of the vibration velocity and temperature signal via proportional 4-20 mA signals
- Looped-through signal of the vibration pickup for forwarding to further measuring and monitoring systems
- Easy configuration via USB connection and configuration tool

| Technical data | | |
|---|---|--------------------------------|
| Size | 79 x 22,5 x 106,7 mm (L x W x H) | |
| Weight | 135 g | |
| Mounting | DIN Rail NS 35/7,5 or NS 35/15 | |
| Interface vibration transducer | | |
| Type / Interface | Uniaxial vibration transducer with IEPE interface | |
| Samplingrate | 24 kHz | |
| Frequency range | 0,24 Hz – 10 kHz | |
| Interface temperature transducer | | |
| Type / Interface | Temperature sensor / voltage input | |
| Voltage range | 0 V ... 4,096 V | |
| Signal output | | |
| ACC Loop-trough | IEPE | |
| v-RMS OUT | 4..20 mA | |
| Temperature RMS OUT | 4..20 mA | |
| Configuration interface | | |
| Serial / USB | 3.5 mm jack to USB Type A (2.0 or higher) PC-side use of a virtual COM interface | |
| Power supply | 24 VDC +/-1V, ~50 mA | |
| Environmental conditions | | |
| Temperature | 0 °C - +55 °C | |
| Humidity | 0 – 95 % | |
| Protection class | IP 40 | |
| Error description | Supply voltage sensor [V] | LED blinking error code |
| Open Input | 22 >= USensor < 25 | 2x |
| Reverse polarity | 2 >= USensor < 5 | 3x |
| Shortcut | 0 >= USensor < 2 | 4x |
| Invalid sensor supply voltage | 23 > USensor oder USensor > 25 | 5x |

Subject to technical changes

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Disposal information: :
Our products are subject to the WEEE directive.
DMT has committed itself to take back all
electrical and electronic components sold
and to dispose of them professionally.
Please contact: products@dm-tgroup.com

WEEE Registration Number: **DE 25917380**



DIN EN ISO 9001
DIN EN ISO 14001
DIN ISO 45001

