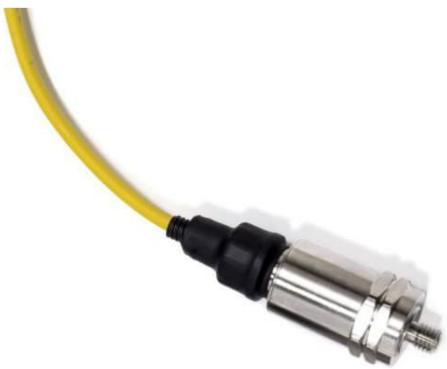
Felixtrument

Authorized Candaian Representative of
SPM Condition Monitoring Equipment

Shock Pulse Transducers

Shock pulse transducers can be used in permanent SPM installations for bearing monitoring. They are installed in countersunk mounting holes on the bearing housings. A shock pulse transducer converts the shock pulses emitted by the bearing into electric signals. SPM supplies a range of shock pulse transducers with various adapters and tools for installations anywhere. The shock pulse transducers come in different series, each containing various sizes.



The 40000 series

Shock pulse transducers in the 40000 series are used in permanent SPM installations for bearing monitoring. They are installed in countersunk mounting holes on the bearing housings. A shock pulse transducer converts the shock pulses emitted by the bearing into electric signals. A coaxial cable connects the transducer with a measuring terminal or measuring device. Maximum cable length is 4 m (extendable to 100 m with external TMU). Transducer housing and base are made of stainless acid-proof steel, suitable for aggressive environments. Standard thread size is M8, with UNC 5/16" as an alternative. Standard length (A) is 61.5 mm. A long transducer (B), length 115.5 mm, is used to reach bearing housings beneath protective covers. The transducer is usually connected with a TNC plug. A TNC angle plug can be used in narrow spaces. To prevent cable corrosion in moist environments, the coaxial cable must be connected with a sealing TNC plug.

Part numbers

- **40000** Standard shock pulse transducer, **M8 x1.25**
- **40100** Standard shock pulse transducer, **UNC 5/16-18**
- **40001** Standard shock pulse transducer, **M8 x1.25, extended**
- **40101** Standard shock pulse transducer, **UNC 5/16-18, extended**

FELIX Technology Inc.
Unit #1, 25 Edilcan Dr, Concord, ON, Canada L4K 3S4
Tel: (+1) 905 760 0444 / Fax: (+1) 905 760 0044 / www.felixtrument.com / info@felixtrument.com

The 42000 series (shock pulse transducers with TMU)

The shock pulse transducers with TMU (the 42000 series) are used in permanent SPM installations for bearing monitoring, in cases where the cable length between transducer and measuring unit exceeds 4 m. The transducer with TMU (= Transducer Matching Unit) is installed in countersunk mounting holes on the bearing housings, in the same way as the 40000 transducer. A shock pulse transducer with TMU converts the shock pulses emitted by the bearing into an electric signal and stabilizes the signal for transmission via a long cable. A coaxial cable connects the transducer with a measuring terminal or measuring device. Maximum cable length is 100 m. Transducer housing and base are made of stainless, acid-proof steel, suitable for aggressive environments. Thread size is M8, with UNC 5/16" as an alternative. The transducer is usually connected with a TNC plug. A TNC angle plug can be used in narrow spaces. To prevent cable corrosion in moist environments, the coaxial cable must be connected with a sealing TNC plug.

Part numbers

- **42000** Shock pulse transducer with TMU, **M8 x1.25**
- **42100** Shock pulse transducer with TMU, **UNC 5/16-18**

The 44000 series

The shock pulse transducers in the 44 000 series are used in permanent SPM installations for bearing monitoring. They are installed in countersunk mounting holes on the bearing housings. A shock pulse transducer converts the shock pulses emitted by the bearing into electric signals. A coaxial cable connects the transducer with a measuring terminal or measuring device. Maximum cable length is 100 m. Transducer housing and base are made of stainless, acid-proof steel, suitable for aggressive environments. Standard thread size is M8, with UNC 5/16" as an alternative. The extended transducer can be used to reach bearing housings beneath protective covers. The transducer is usually connected with a TNC plug. A TNC angle plug can be used in narrow spaces. To prevent cable corrosion in moist environments, the coaxial cable must be connected with a sealing TNC plug.

Part numbers

- **44000** Shock pulse transducer, **M8 x1.25**
- **44100** Shock pulse transducer, **UNC 5/16-18**
- **44001** Shock pulse transducer, **M8 x1.25, extended**
- **44101** Shock pulse transducer, **UNC 5/16-18, extended**

FELIX Technology Inc.
Unit #1, 25 Edilcan Dr, Concord, ON, Canada L4K 3S4
Tel: (+1) 905 760 0444 / Fax: (+1) 905 760 0044 / www.felixtrument.com / info@felixtrument.com