

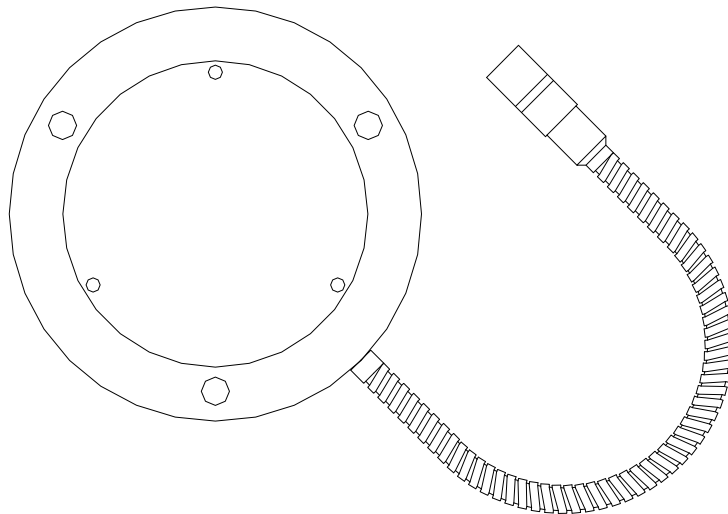
dametric 

## TVD-TA1

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VAL0123134 / SKC9226036

TOUCHPOINT VIBRATION DETECTOR



USERS MANUAL

Valmet 

### 1 TECHNICAL SPECIFICATION

Article number: TVD-TA1 / VAL0123134 / SKC9226036  
Frequency response: 1 - 50 kHz  
Connector: 4-pole with bayonet on a 400 mm stainless steel metal tube  
Weight: 2.9 kg  
Material: Stainless steel

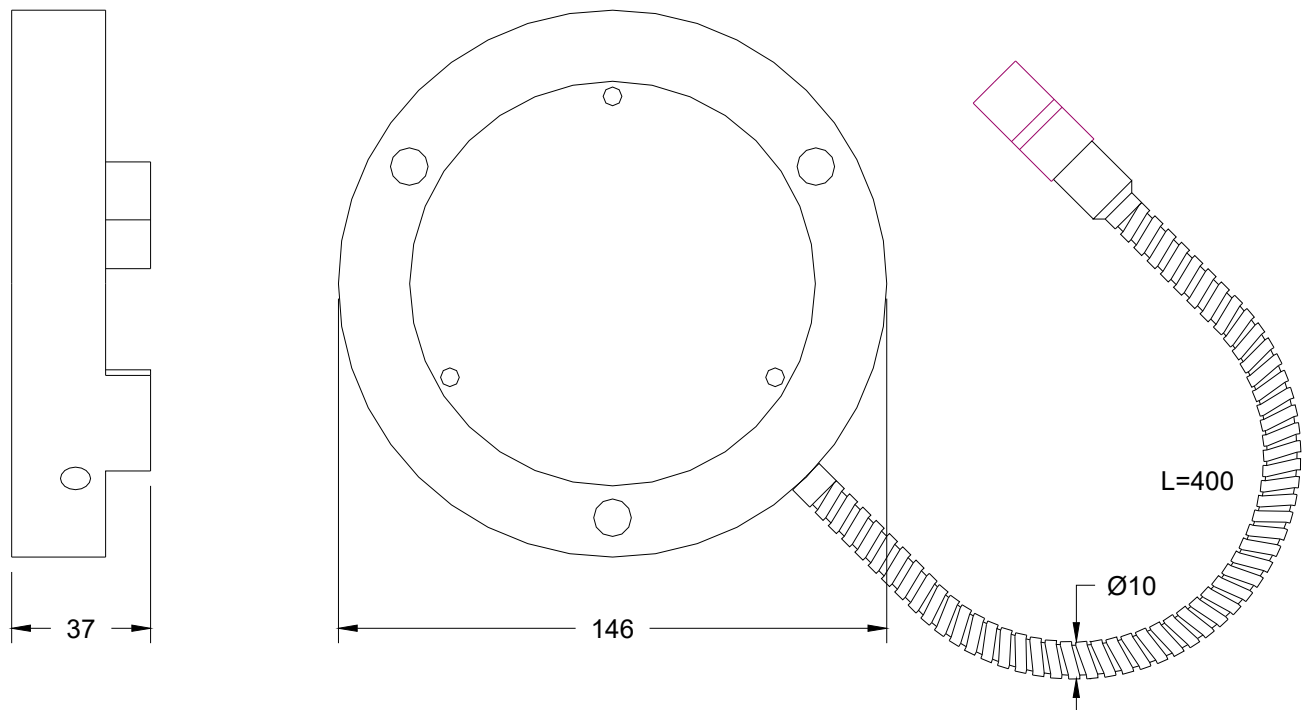
### 2 DESCRIPTION OF OPERATION

The TVD-TA1 is a transducer for measuring the touch point vibration in a double disc pulp refiner. The TVD-TA1 is mounted on the end of the refiner shaft, and uses an accelerometer as a sensor element that measures up to 50 kHz.

The sensor is fed with a constant current, and returns a superimposed ac-signal proportional to the acceleration amplitude.

The signal is amplified and monitored in the rotating unit, RMS-DDR1.

### 3 OUTLINE DRAWING



#### 4 MOUNTING INSTRUCTION

The transducer is mounted at the end of the refiner shaft.

- The Safeset clutch must be dismounted prior to the mounting of the transducer.
- Check that the TDC cable is fastened to the centering plate by the mounting clip.
- Slide the contact of the transducer through the hole of the centering plate and the coupling flange.
- Mount the transducer to the shaft by 3 screws and washers.
- Fasten the cable to the centering plate by the mounting clip.
- Connect the cable connector to the appropriate cable connector of the rotating unit. Check that the bayonet on the contact snaps.

#### 5 CONTACT

Sales, development, production and service:

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