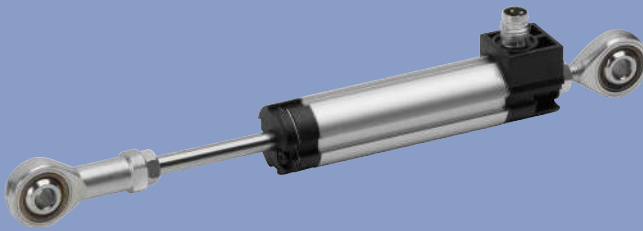


Position Transducers
Pivot head mounting
potentiometric
up to 300 mm, IP54

Series TEX



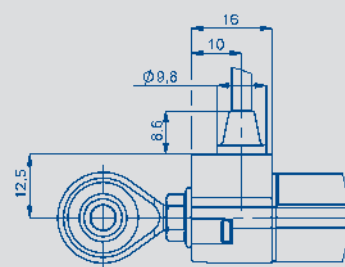
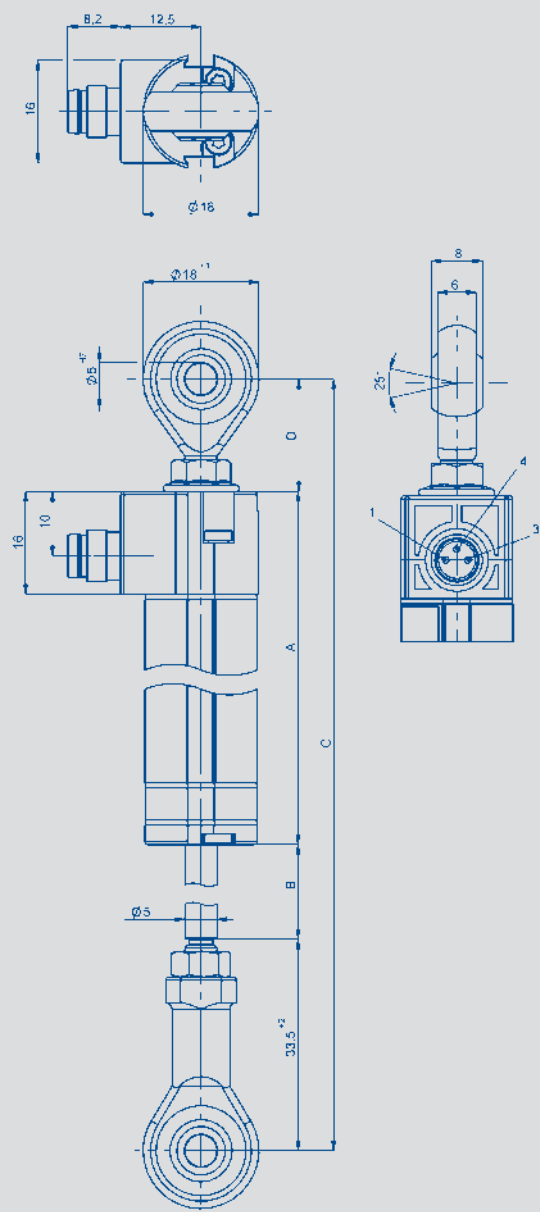
Special features

- compact dimensions
 - protection class IP54
 - mountable over back-lash
- free pivot heads with a large angle of free movement (up to $\pm 12,5^\circ$)
- very long life (depending on application) up to 100 million movements
 - resolution better than 0.01 mm
 - outstanding linearity up to $\pm 0.05\%$
 - variable mechanical customer interfaces
 - cable or connector version available
 - heavy-duty version IP67 see data sheet TX2

Compact design and easy to assemble via pivot heads characterize this inexpensive transducer. This transducer is suitable for various industry applications. By the simplicity of the measuring system - passive and absolute - the transducer is largely insensitive to electrical interference. The measuring value remains despite power failure.

The electrical connection can be made via a radial plug connector, a radial or axial cable. Transducers with and without restoring spring and mounting clamp, central thread or flange plates see separate data sheets TEX.

Description	
Housing	aluminium, anodized
Mounting	see drawing
Actuating rod	stainless steel (1.4305), rotatable, external thread M5
Bearings	sleeve bearing
Resistance element	conductive plastic
Wiper assembly	precious metal multi-finger wiper
Electrical connections	3-pin round connector M8x1 3-wire PUR-cable, 3x0.14 mm ² , shielded, 2 m or 5 m lengths



[illegible]

Novotechnik
Messwertaufnehmer OHG
Postfach 4220
73745 Ostfildern (Ruit)
Horbstraße 12
73760 Ostfildern (Ruit)
Tel. +49 711 44 89-0
Fax +49 711 44 89-118
info@novotechnik.de
www.novotechnik.de

© 09/2012
Art.-No.: 062 777
Subject to changes
Printed in Germany

Ordering specifications

Preferred types printed in bold

Electrical version
002: linearized

Electrical connection

101: 3-pin round connector M8x1, radial output
202: NT standard cable 2 m, radial output
205: NT standard cable 5 m, radial output

T E X - 0 1 5 0 - 4 1 5 - 0 0 2 - 2 0 2

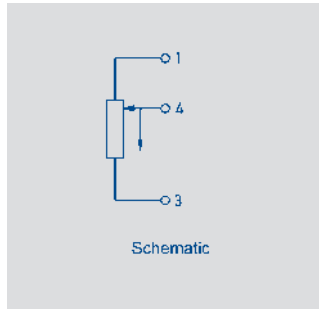
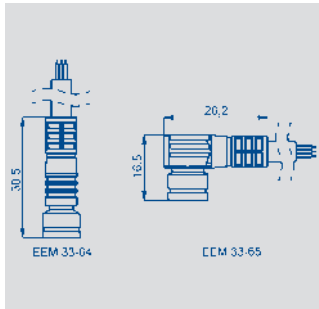
Series

Mechanical fixing
3: Pivot heads long
5: Pivot heads short

Mechanical version actuating rod
1: Transducer with one-side rod and thread M5

Protection class
4: one-side actuating rod, IP54

Electrical defined range
Standard lengths from 0010 mm up to 0300 mm



Output connector Code 101	Cable Code 202, 205	Connector with cable EEM 33-64, / -66 / -68 / -65 / -67 / -69
PIN 1	BN brown	BN brown
PIN 4	WH white	BK black
PIN 3	GN green	BU blue

Optional accessories

PUR-cable with 3-pin female connector M8x1, 3x0.34 mm², IP67, unshielded:
2 m lengths, EEM-33-64, P/N 005617,
5 m lengths, EEM-33-66, P/N 005619,
10 m lengths, EEM-33-68, P/N 005643.

PUR-cable with 3-pin angled female connector M8x1, 3x0.34 mm², IP67, unshielded:
2 m lengths, EEM-33-65, P/N 0056018,
5 m lengths, EEM-33-67, P/N 005620,
10 m lengths, EEM-33-69, P/N 005644
Other cable on request.

Process-controlled indicators MAP... with display, Signal conditioner MUP.../MUK... for current supply 24 V and standardized output signals.



Important

All values specified in this data sheet for linearity, lifetime and temperature coefficient are only valid for a sensor used as a voltage divider with virtually no load applied to the wiper ($I_e \leq 1 \mu A$).