



100%
NOS



Barcode
N.N.
Pipette





1. General

This instruction manual describes the mechanical system mounting the coaxial linear scale (MSS-976R) and waterproof MS head (HA-705LK) to the MD50. Please read through this manual before performing the mounting and design. Refer to "MD50 Instruction Manual, Vol. 1" in this set of documents for adjustment of the electrical signal after mounting.

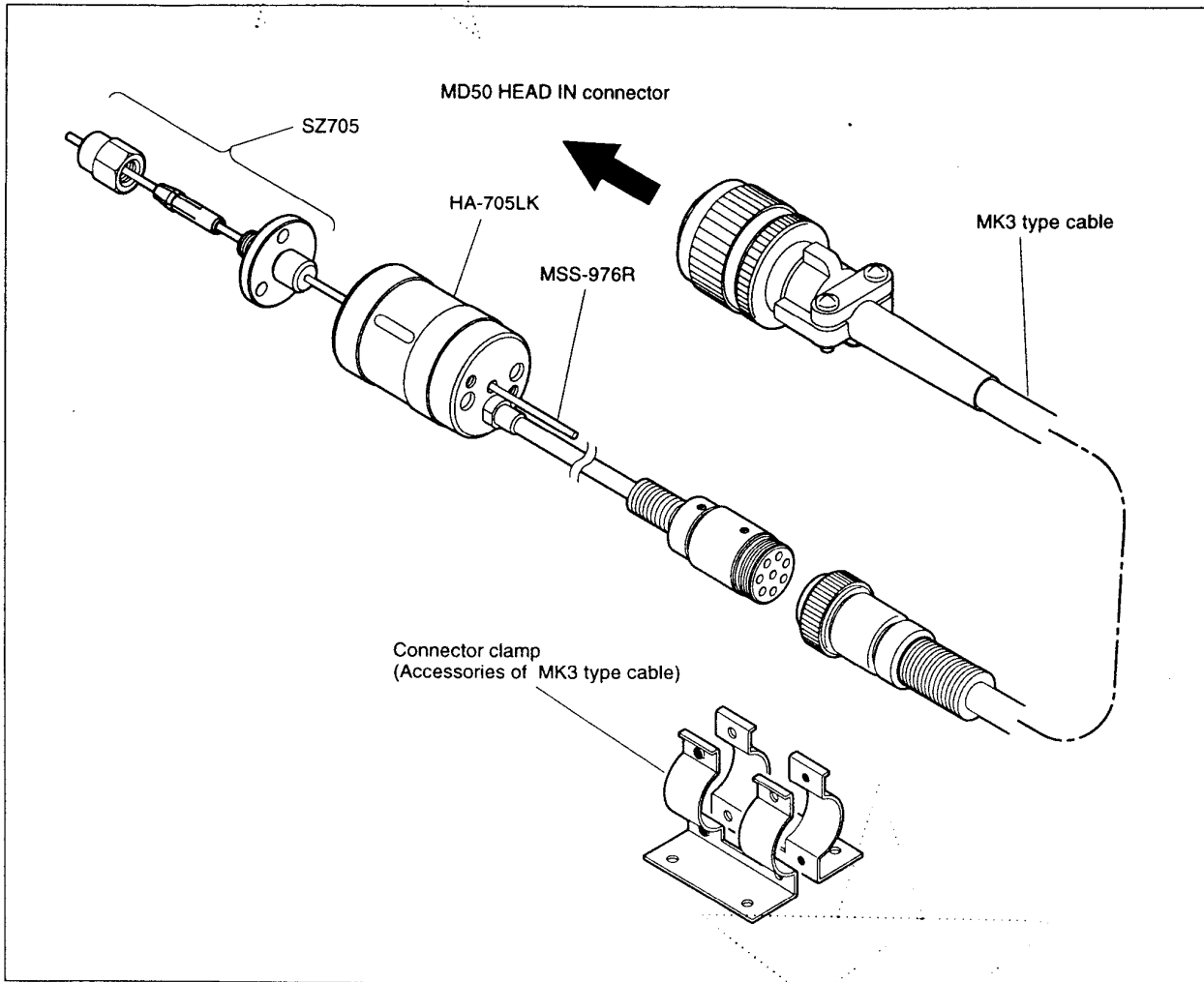
Magnescale Product Configuration

Detector	: MD50
Waterproof MS head	: HA-705LK
Coaxial linear scale	: MSS-976R
Chuck for fixing scale in place	: SZ705
Connection cable (30 to 150 m)	: MK3-30 - MH3-150

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English



2. Specifications for Coaxial Linear Scale

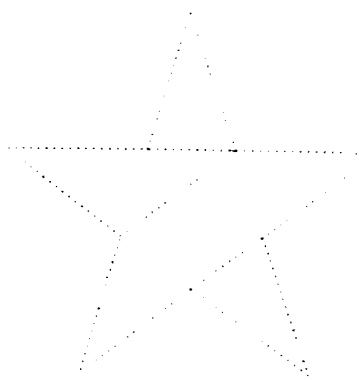
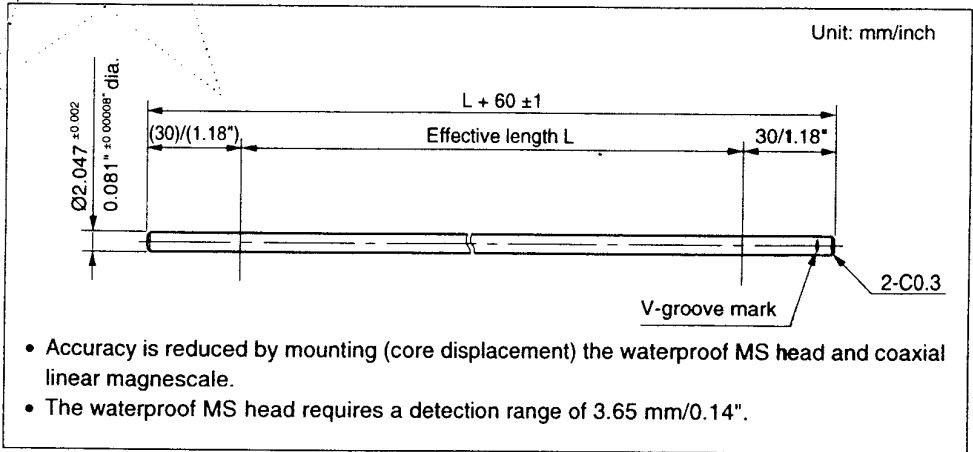
MSS976R

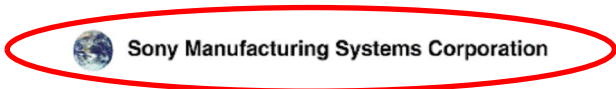
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Recording wavelength	: 0.2 mm
Material tension during recording	: Cantilever indication (ON)
Accuracy	: 20 ± 0.2 °C
Cumulative accuracy	: $3 + 3/1000L$ (μm , p-p)
Cumulative accuracy in single direction, including the interpolation accuracy	
Interpolation accuracy	: $3 \mu\text{m}$
PM ripple conversion	: 4.1% or less

External dimensions

The V-groove mark serves as the zero point starting side for the accuracy measurement and corresponds to the attached data.



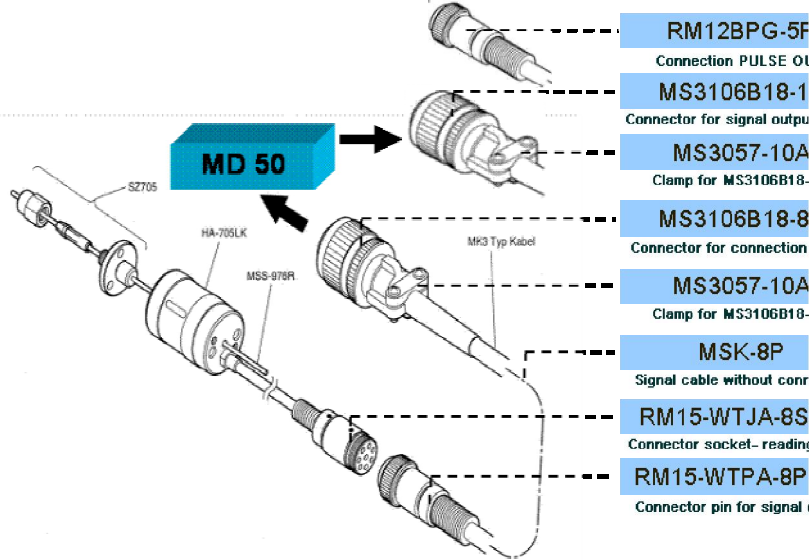


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Rolling Mill

- Data sheet
- Drawing scale
- Drawing reading head
- Manual MD50
- Manual HA-705LK



Scale MSS976R - Series		
Product Code	Scale +/- 3µm Accuracy Resolution	max. 0,5µm
97950909	MSS976R-150MM (30-150Y-30)	
97950943	MSS976R-200MM (30-200Y-30)	
97950911	MSS976R-250MM (30-250Y-30)	
97950932	MSS976R-250MM (75-250Y-75)	
97950907	MSS976R-300MM (30-300Y-30)	
97950858	MSS976R-350MM (30-350Y-30)	
97950859	MSS976R-350MM (75-350Y-75)	
97950982	MSS976R-400MM (30-400Y-30)	
97950908	MSS976R-450MM (30-450Y-30)	
97950910	MSS976R-500MM (30-500Y-30)	
97950879	MSS976R-600MM (30-550Y-30)	
97950880	MSS976R-600MM (30-600Y-30)	
97950883	MSS976R-650MM (30-650Y-30)	
97950881	MSS976R-700MM (30-700Y-30)	
97930544	MSS-976R 650T01 (30:650R:30) Nontension	

Reading Head HA705 - Series	
Product Code	Products:
97939225	HA-705LK-903 Reading head(1m K.;connector)
97939605	HA-705LK-905 Reading head(2.5 m;connector)
97939642	HA-705LK-906 Reading head(1m K.; without con.)
97939643	HA-705LK-907Reading head(1.5m K.;without con.)
97924947	HA-705LK-913 Reading head(10m without Con.)

Detector MD50 - Series	
Product Code	Products:
97978084	MD50-2N EK1 Detector (2 channel)
97978087	MD50-4N EK1 Detector(4 channel)

Rolling Mill Cable MK3 - Series (including connectors)	
Product Code	Products:
97921040	MK3-100 cable(100m)
97921067	MK3-120 cable(120m)

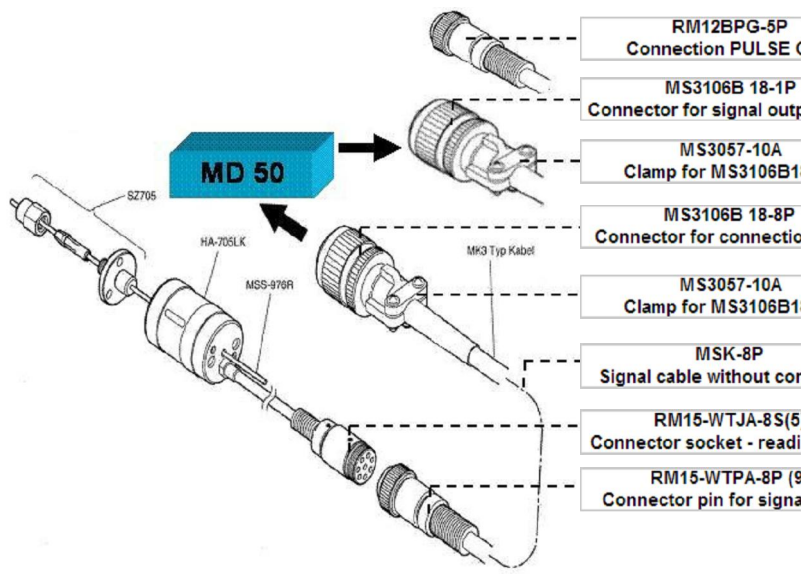
Magnescale Product Information Tool 5.0

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Scale MSS976R - Series		
Product code	Type	Scale +/- 3 µm Accuracy; max. 0,5 µm Resolution
97947686	MSS976R-0100L03	MSS976R-100MM (30-100Y-30)
97950909	MSS976R-0150L02	MSS976R-150MM (30-150Y-30)
97950943	MSS976R-0200L04	MSS976R-200MM (30-200Y-30)
97948263	MSS976R-0250L09	MSS976R-230MM (30-230Y-30)
97950911	MSS976R-0250L02	MSS976R-250MM (30-250Y-30)
97950907	MSS976R-0300L03	MSS976R-300MM (30-300Y-30)
97950858	MSS976R-0350L01	MSS976R-350MM (30-350Y-30)
97950982	MSS976R-0400L03	MSS976R-400MM (30-400Y-30)
97950908	MSS976R-0450L02	MSS976R-450MM (30-450Y-30)
97950910	MSS976R-0500L02	MSS976R-500MM (30-500Y-30)
97950879	MSS976R-0600L02	MSS976R-600MM (30-550Y-30)
97950880	MSS976R-0600L01	MSS976R-600MM (30-600Y-30)
97950883	MSS976R-0700L03	MSS976R-650MM (30-650Y-30)
97950881	MSS976R-0700L01	MSS976R-700MM (30-700Y-30)
97950932	MSS976R-0250L03	MSS976R-250MM (75-250Y-75)
97950859	MSS976R-0350L02	MSS976R-350MM (75-350Y-75)
97930544	MSS976R-0650T01	MSS-976R 650T01 (30:650R:30) No tension

Reading Head HA705 - Series

