

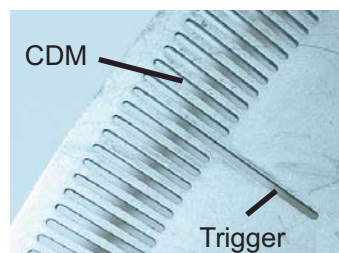
Bedienungsanleitung

Operating instruction



Optical Angle Encoder

FOS-IAE2CT01-DT

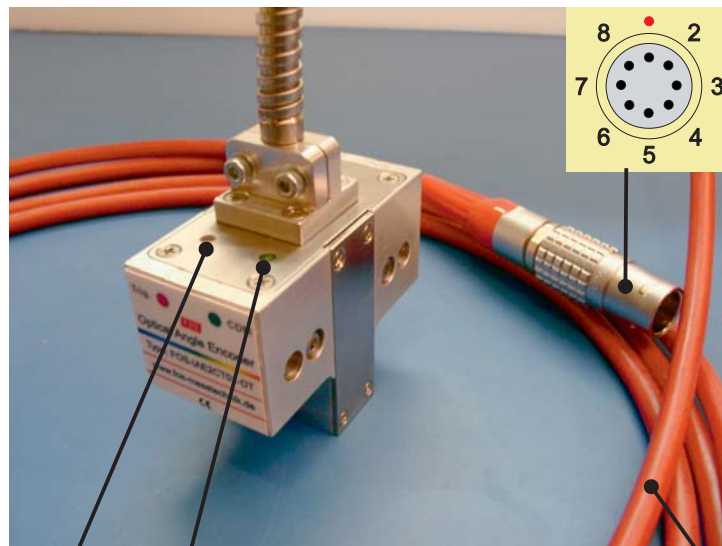


Optical Angle Encoder FOS-IAE2CT01-DT

Anschlußbelegung
Connecting Scheme



Pin	Signal	Pin	Signal
1	+ 5 V Supply	5	Trigger
2	GND	6	NC
3	PE	7	NC
4	CDM	8	NC



Trig. ● LED ● CDM

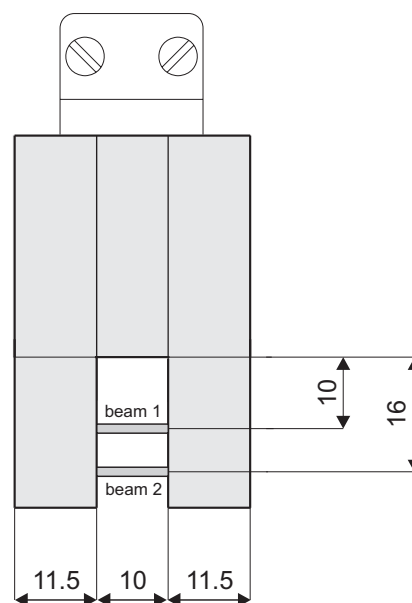
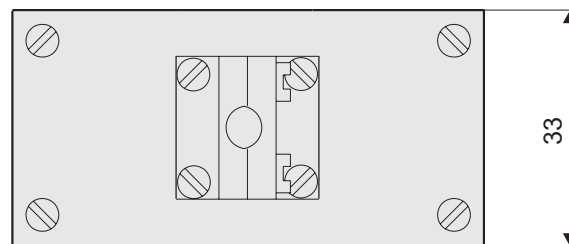
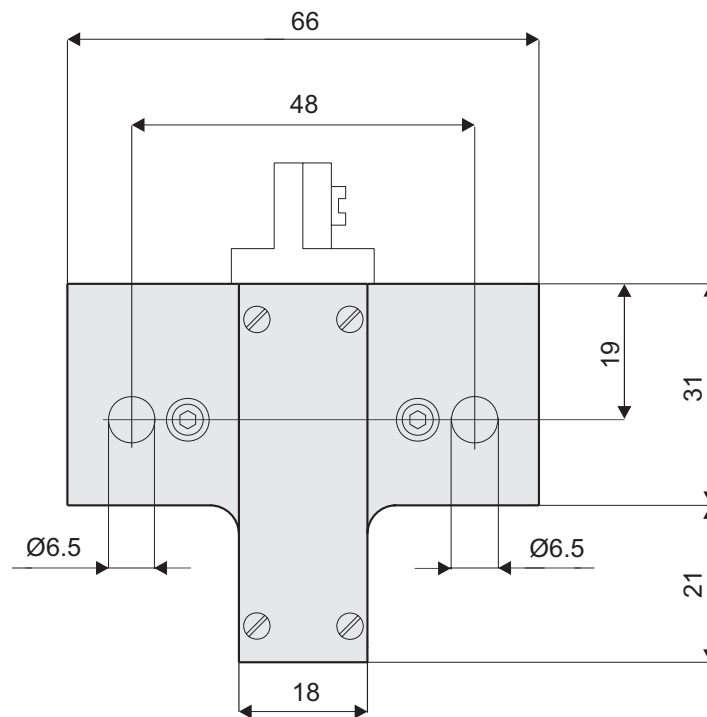
High temperature-silicon rubber-cable:

Cable: silicon rubber-cable, Ø 6,3 mm,
4 wires with overall screen, colour red

Optical Angle Encoder

FOS-IAE2CT01-DT

Abmessungen
Dimensions



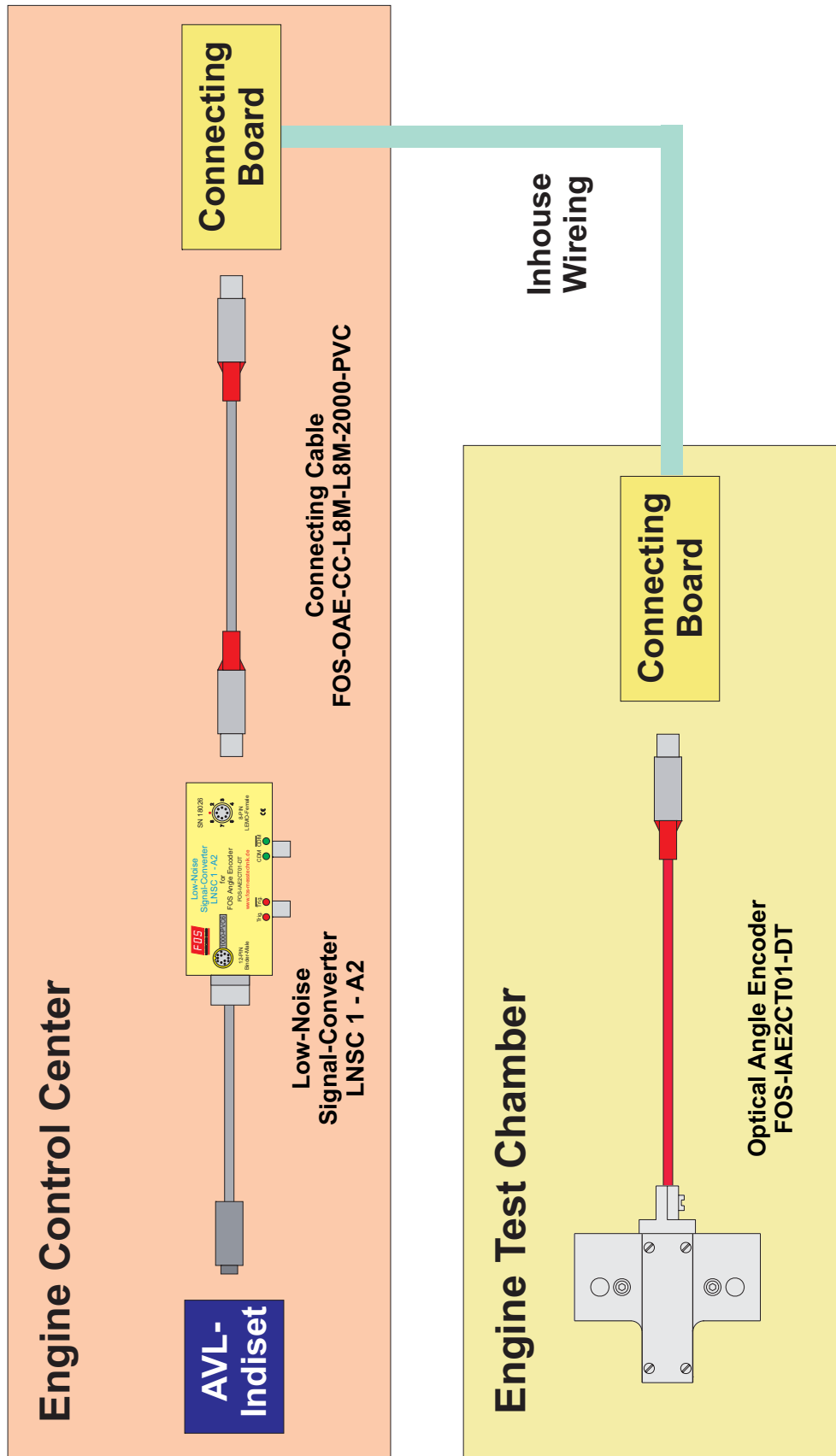
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Optical Angle Encoder FOS-IAE2CT01-DT

Standard Connecting Scheme



MESSTECHNIK GMBH



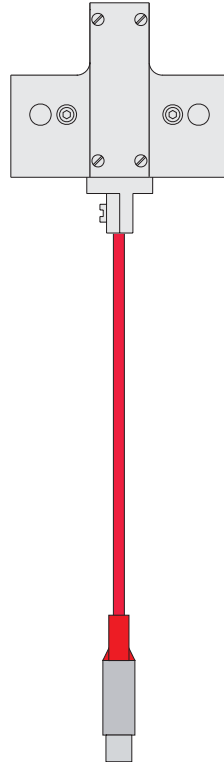
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Optical Angle Encoder FOS-IAE2CT01-DT

Stand Alone Connecting Scheme



MESSTECHNIK GMBH



Optical Angle Encoder
FOS-IAE2CT01-DT

Encoder Head	CDM	TRIG																		
Power	TTL-Signal Output																			
The inventors of the optical pressure sensor MESSTECHNIK GMBH																				
Rütgersstraße 40 D-24790 Schacht-Audorf		Phone +49 4331 9065 Fax +49 4331 9066																		
Optical Angle Encoder Signal and Supply Unit																				
Type OAE-SSU-A2-DT SN Sample																				
<p>8-PIN LEMO-Female</p>	<table border="1"> <thead> <tr> <th>Pin</th> <th>Signal</th> </tr> </thead> <tbody> <tr><td>1</td><td>+ 5 V Supply</td></tr> <tr><td>2</td><td>GND</td></tr> <tr><td>3</td><td>PE</td></tr> <tr><td>4</td><td>CDM</td></tr> <tr><td>5</td><td>Trigger</td></tr> <tr><td>6</td><td>NC</td></tr> <tr><td>7</td><td>NC</td></tr> <tr><td>8</td><td>NC</td></tr> </tbody> </table>	Pin	Signal	1	+ 5 V Supply	2	GND	3	PE	4	CDM	5	Trigger	6	NC	7	NC	8	NC	CE
Pin	Signal																			
1	+ 5 V Supply																			
2	GND																			
3	PE																			
4	CDM																			
5	Trigger																			
6	NC																			
7	NC																			
8	NC																			
Supply / Charge 12 V DC	Power OFF ON	powered by rechargeable battery																		

Optical Angle Encoder
Signal and Supply Unit
OAE-SSU-A2-DT

Optischer Winkelmarkengeber Optical Transmissive Angle Encoder



MESSTECHNIK GMBH

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Typ : FOS-IAE2CT01-DT
Type : FOS-IAE2CT01-DT

Der Winkelmarkengeber arbeitet nach dem Lichtschranken-Prinzip. Die gesamte Optoelektronik befindet sich dabei im Meßkopf selbst und ist extrem stör- und vibrationsfest. Der Winkelmarkengeber hat zwei Lichtstrecken, eine erfaßt die Winkelmarken, die andere das Trigger- (OT-) Signal.

Optischer Winkelmarkengeber in offener Bauform bestehend aus Lichtschranken-Meßkopf und Schlitzscheibe.

Anwendung:

Winkelmarkengeber besonders für den Einsatz an Verbrennungsmotoren mit hoher Temperatur- und Vibrationsbelastung.

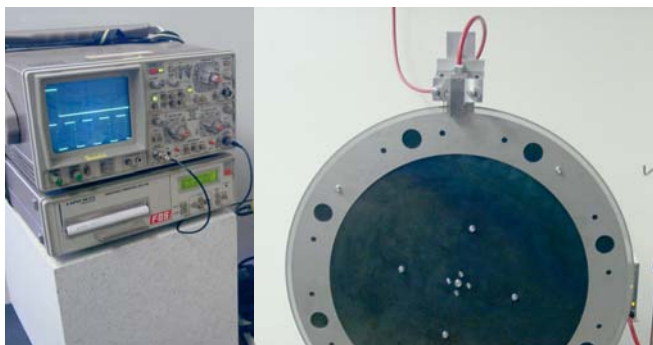
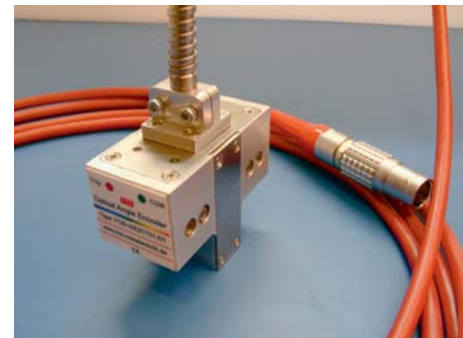
The angle encoder is an light transmission sensor. The sensor head contains the complete optoelectronics and is constructed to withstand harsh environment conditions with EMI and heat and vibration. Two light beams are used to detect the angle marks and the trigger mark separately. Incremental optical angle encoder in open construction consisting of light transmissive sensor head and slot wheel .

Applications:

Optical angle encoder especially for combustion engines and other demanding application with high temperature, shock, vibrations and EMI.

Merkmale Characteristics

- **Extrem robust und störfest**
Highest reliability
- **Temperaturfest bis 150°C**
Temperature resistant up to 150°C
- **Permanent vibrations- und schockfest**
Permanent vibration and shock resistant
- **Versorgung 5 V DC / 50 mA**
Supply 5 V DC / 50 mA
- **TTL - Ausgangssignale für Trigger (OT) und Winkelmarkensignal (CDM)**
output signal for trigger and coded disc marks (CDM)
- **Open-Collector-Schaltung**
Open-collector-switching
- **Anschluß- und steckerkompatibel mit AVL-Indiziermeßsystemen**
Connector and pin compatible to AVL indicating measuring systems



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Optischer Winkelmarkengeber Optical Transmissive Angle Encoder



Typ : FOS-IAE2CT01-DT
Type : FOS-IAE2CT01-DT

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Schlitzscheiben:

-Winkelmarken-Schlitzscheiben werden nach Kundenvorgabe hergestellt

Zubehör:

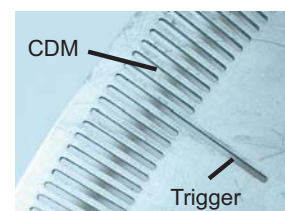
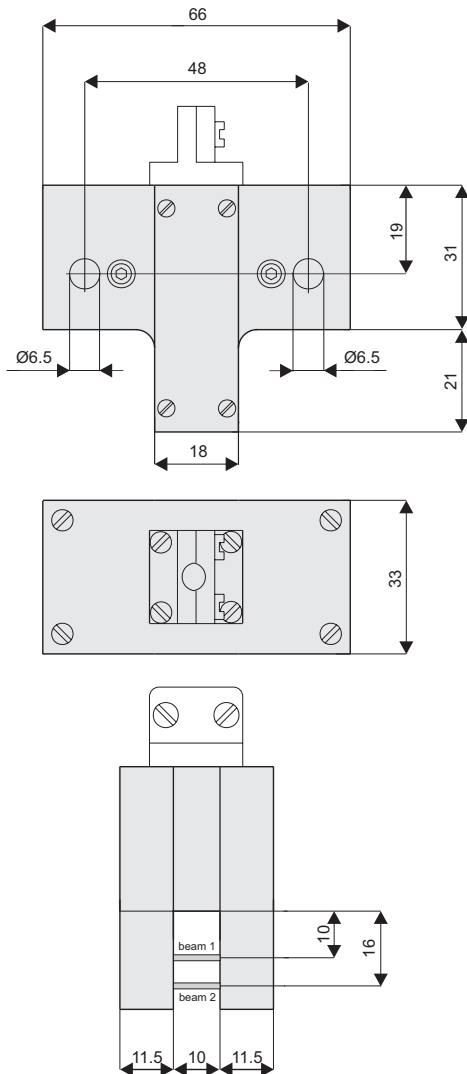
- Elektronischer Impulsvervielfacher auf 3.600 Pulse/ Umdrehung
- Meßverstärker mit OT- und CDM- Signalausgang (TTL) an BNC-Buchsen
- LED-Drehzahlanzeige (RPM)
- Verlängerungskabel
- Netzteil 230V AC / 5V DC

Coded Disc, Slot wheel :

- The angle encoder disc is lasercut according to customer

Accessories:

- Electronic puls multiplier up to 3.600 pulses/revolution
- Signal amplifier with TTL-signal output for trigger and CDM (angle marks) on BNC-connector sockets
- RPM - Display and 60 pulses/rev output
- Extension cables
- power line power supply 230V AC / 5V DC



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Technische Änderungen vorbehalten / Modifications are subject to change without notice

04 / 2008