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КМТ



KMT - Kraus Messtechnik GmbH

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CT2-Wheel - User Manual **2 Channel Wheel Telemetry System** Including signal conditioning for STG, Th-K, Pt100, ICP, POT

or high-level inputs



- STG offset via potentiometer or optional Auto Zero calibration
- 12 bit ADC resolution, simultaneous sampling of all channels
- Signal bandwidth: 2 x 0-375Hz Scanning rate: 2x 1428Hz
- Water protected housing (IP65)

- Output analog (+/- 5V) and digital for PC interface at the receiver side
- Universal mounting adapter for fast and exactly montage on the wheel
- 4x different carrier frequencies enable measurements at 4 Wheels for one car
- Accumulator powered (up to 36h)





Technical data: Receiving Unit CT2-Wheel DEC (Decoder)

Front view BNC social of the second signal of the second signal of the second s	but for analog utputs 1 2 Field strength indicator ON/OFF - LED ON/OFF - Switch Sync-Loss Indicator LED 7- pole TUCHEL-socket for Yoltage supply cable (10–30V) DC POWER CABLE TUCHEL_7_MALE + COMER	Rear view
Channel:	2 analog outputs via (BNC) +/-5V	
Resolution:	12 bit D/A converter, with smoothing filter	
Dynamic:	72dB	
Power supply input:	10-30 VDC	
Current consumption:	300mA at 10V. 100mA at 30V	
Carrier frequencies:	4 HF-Channels in the 868MHz range with 40 kbit/s transmitting	g rate FSK modulation
Dimensions:	105 x 105 x 65mm	
Weight:	0.60 kg without cables and antenna	
Overall system accuracy between encoder input and decoder output:	+/-0.25% without sensor influences	
	20 170°C	
Operating:	$-20 \dots \pm 70 \cup 0$	
	20 00% not condensing	
Vibration:	5g Ivili Standard 810C, Curve C	
Static acceleration:	Tog in all directions	
SHUCK.		oct to change without notical
		is to change without hotice!









Connection TH-K ISO Thermo couple									
Sensor cabl	Black White Browr Blue *NC= not	= IN +/- = GND n = NC* = NC*	Sensor socket	GND (White) NC* (Brown)	IN + (Black) NC* (Blue)	Sensor plug CT2-Mini ENC			
CT-THK-ISO - Galvanic isolated! Type: K Range: -50°C – 1000°C Bandwidth: 0-20Hz (more on request) Accuracy +/-1% Half bridge setting Attentions: At Thermo couple must plug the plug bridge on Half Bridge Unit.		CHROMEL(Nickel-Chrom)							
Temperature	Output IV1	Temperatur	e Output IV1	Temperature I°C1	Output IV1	Temperature I°C1	Output [V]		
-50	-0.220	250	1.236	550	2.754	850	4.262		
0	0.013	300	1.482	600	3.010	900	4.506		
50	0.254	350	1.734	650	3.266	950	4.746		
100	0.504	400	1.990	700	3.519	1000	4.980		
150	0.752	450	2.242	750	3.700				
200	0.992	500	2.498	800	4.015				







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Konformitätserklärung

Declaration of Conformity Declaration de Conformité

KMT - Kraus Messtechnik GmbH

Wir We Nous

Gewerbering 9, D-83624 Otterfing, Germany

Anschrift Address Adress

erklären in alleiniger Verantwortung, daß das Produkt declare under our sole responsibility, that the product declarons sous notre seule responsibilité, que le produit

Bezeichnung Name Nom

Messdatenübertragungssystem

Typ,Modell,Artikel-Nr., Größe **CT2-Wheel** Type, Model, Article No., Taille Type, Modèle, Mo.d'Article, Taille

mit den Anforderungen der Normen und Richtlinien fulfills the requirements of the standard and regulations of the Directive satisfait aux exigences des normes et directives

108/2004/EG

Elektromagnetische Verträglichkeit EMV / EMC

DIN EN 61000-6-3 Ausgabe 2002-8 Elektromagnetische Verträglichkeit EMV Teil 6-3 Fachgrundnorm Störaussendung

DIN EN 61000-6-1 Ausgabe 2002-8 Elektromagnetische Verträglichkeit EMV Teil 6-1 Fachgrundnorm Störfestigkeit

und den angezogenen Prüfberichten übereinstimmt und damit den Bestimmungen entspricht. and the taken test reports und therefore corresponds to the regulations of the Directive et les rapports d'essais notifiés et, ainsi, correspond aux règlement de la Directive.

Otterfing, 30.05.2006

Martin Kraus

Name und Unterschrift des Befugten

Name and Signature of authorized person

Nom et signature de la personne autorisée



Version 20010-05

13

Kraus Messtechnik GmbH **Gewerbering** 9 D-83624 Otterfing - Germany Tel. 08024-48737 - Fax 08024-5532 www.kmt-ambh.com

Technical Data are subject to change without notice!

INSTRUMENTATION DEVICES SRL



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