			er with barGraph		1.14.5	TRUMENTAT		
Features: MOD BUS Linear Linear Linear RS 485		• 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3			e independend measuring channels with an universal input, B or 7-colour bargraph with programmable colour switching over, Recording of 750 measuring segments, released temporary, Programmable indication characteristic and bargraph magnifier, Jp to 8 programmable alarm outputs, Mathematical operations on channels, Communication in SCADA systems (RS485/Modbus interface), Conversion of measured quantity into an analog standard signal for automation systems.			
inputs:								
	Example of application			Inputs				
				Kind of input	Measuring range	Measurement subrange		
	Measurement of k	Measurement of level and temperature in a tank			-200850°C	320°C		
020 mA				Pt500	-200850°C	230°C		
		NA6	signalling of temperature	Pt1000	-200850°C	290°C		
	420 mA	100	overflow	J (Fe-CuNi)	-1001100°C	350°C, 700°C		
		⇒ *	<u> </u>	K (NiCr-NiAl)	-1001370°C	450°C, 950°C		
				N (NiCrSi-NiSi)	-1001300°C	550°C, 1000°C		
		\Rightarrow		E (NiCr-CuNi)	-100850°C	250°C, 520°C		
				R (PtRh13-Pt)	01760°C			
			signalling of	S (PtRh10-Pt)	01760°C			
Outputs:	The store on		tank filling	T (Cu-CuNi)	-50400°C			
		1344 @		Resistance	010 kΩ	110 Ω, 220 Ω, 460 Ω, 950 Ω, 2100 Ω, 5000 Ω,		
020 010 VmA	RS 485			Voltage	± 300 mV, Rinp. > 9 MΩ ± 0600 V, Rinp. > 4.2 MΩ	19 mV, 35 mV, 75 mV, 155 mV, 5 V, 11 V, 22 V,		
				Current	± 40 mA, Rinp. < 4 Ω ± 5 A, Rinp. = 10 mΩ ± 10%	5451 X, 22 MAJ & MAJ & V1 A 60 V 1.8 A, 3.8 A		
	Recording of temperature and level parameters Intensity of current flowing through the resistance thermometer: < 400 μA							
			0	utputs				
Galvanic			01	atputs				
isolation:	Kind of output	Features						
	Analog output• galvanically isolated with resolution 0.025% of range; current programmable $0/420$ mA, load resistance $\leq 500 \Omega$ or voltage programmable 010 V, load resistance $\geq 500 \Omega$, output response time: 100 ms.							
	Relay output	 4 electromagnetic relays; NOC voltageless contacts, maximal load-carrying capacity: voltage: 250 V a.c., 150 V d.c. current: 5 A 30 V d.c., 250 V a.c. resistance load: 1250 VA, 150 W voltageless of OC type with npn transistor, maximal load: 25 mA, 						
	Open collector	-	ppended voltages: 530 V d.c.		А,			
	(OC) type	interface t	ype: RS-485; transmission prot		(8N1, 7E1, 7O1), RTU (8N2, 8	BE1, 801, 8N1);		
	Digital baud rate: 2400, 4800, 9600 bit/s							
ck of galvanic isolation between channels	Additional supply output • 24 V d.c., maximal load 20 mA							
	external features							
	2 ´ 4 LED displays 7-segment digits of 7 mm high, measuring range -19999999					-19999999		
		Readout field		bargraph of 88 mm length: - 48 segments in three-colour version - 27 segments in seven-colour version Bargraph resolution: programmable				
EL INSTRUMENTION tue de Stalingrad 00 BOURGOIN JALLIEU 04 74 93 06 37 ct @adel-instrumentation.fr			bargraph	- 27 segments in sev Bargraph resolution	: programmable			
ue de Stalingrad 0 BOURGOIN JALLIEU 04 74 93 06 37 act @adel-instrumentation.fr			bargraph	- 27 segments in sev	: programmable			
ue de Stalingrad 00 BOURGOIN JALLIEU	<u>.</u>			- 27 segments in sev Bargraph resolution	: programmable			
ue de Stalingrad 00 BOURGOIN JALLIEU 04 74 93 06 37 act @adel-instrumentation.fr			bargraph < 0.4 kg 48 ´ 144 ´ 100 mm	- 27 segments in sev Bargraph resolution	: programmable ± 0.5 segment			

lan.	Rated Operating Cond	ditions			
	253 V a.c./d.c., 40 V a.c./d.c.	Power consumption < 1	Power consumption < 13 VA		
remperature	bient: -102355°C	Storage: -2585°C Condensation inadmissi	See also:		
Relative humidity < 9			ble		
	Safety And Compatibility Re	quirements	_	0	
Electromagnetic compatibility	noise immunity noise emissions		acc. to EN 61000-6-2 acc. to EN 61000-6-4		
Pollution grade	2				
Installation category	III input: 600 V			@CC0	
	supply: 300 V			28.	
Maximal phase-to-earth operating	relays: 300 V analog output: 50 V		acc. to EN 61010-1	Temperature and	
voltage	RS-485: 50 V			humidity transducers P18 i P18L types.	
			<u> </u>		
Table 1. Orderi	ing codes:		Diagram		
	A6-x xx x x x x x x x x x x	Connection	Diagrams	-	
Bargraph colour:		A1/	_o Supply	Inne	
three-colour (R, G, R+G)T seven-colour		8 AS AS - AS 10 - 30 14		and a start and a start	
(R, G, B, R+G, R+B, G+B, R+G+B)M		1100 At 0 23 13		N20 distal	
Display colour on channels 1 and 2: without display*	00	27 11-	-o Dermocourse or voltage from share ± 300 mV	N30 digital meters with a 3-colour displa	
red-red red-green	RR	AV/	-e GND Channel 2*	and free LPConfig	
red-blue	RG RB	24 8		program.	
green-red green-green	GR	(GND			
green-blue blue-red	GG GB	Anniag + 21 5	-o a 300 mA.	-	
blue-green	BR	output E 20 4	-# 11A		
blue-blue Input signal:	BG BB	RS-465 - 1 = 18 2 -	-o Premocouples or volkage Nort shurt 1 300 mV	B B B B	
universal input		UND 0-17 1	-e Resistance thermometer		
Analog output signal: lack	υ	Fig. 1 Description of t	he terminal strip	AAAA	
current programmable 0/420 mA voltage programmable 010 V		Fig. 1 Description of t	ne terminarstrip.		
Digital output signal:	0			Visualization programs enabling to build	
lack RS-485-output signal	2		in the second se	distributed control and	
Additional output:	o	Channel 2 10 11 12	Channel 2 10 11 12	measuring systems like: LUMEL-CONTROL	
lack* 4 relays	1	Channel 1 1 2 3	Channel 1 1 2 3	LUMEL-PROCES,	
8 outputs of OC type Supply:	0			LUMEL3000.	
95253 V a.c./d.c.	4				
2040 V a.c./d.c. Kind of terminals:	8				
screwed plug-in sockets	1	resistance thermometer in a two-wire system or	resistance thermometer in a three-wire system	OUR OFFER	
Version: standard	2	resistance measurement		College and	
custom-made**	0	Charost 2 10 11	Channel 2 10 9 8 7	Construction of the second	
Acceptance tests: without an extra quality inspection certificate				Semine	
with an extra quality inspection certificate acc. to customer's request**	00 XX	Charesel 1 2 3	Channel 1 3 4 5 8	and the local division of the local division	
		+ -	GND ±805V	and the second second	
	8		input voltage ± 600 V		
	x				
- in case of meters without displays, one must	t order an RS-485 digital output	Channel 7 10 9 8	Channel 2 10 9		
 after agreeing with the manufacturer 	e or act an no 405 aignaí output	Channel 1 3 4 5	Cherrel 1 3 4		
			405 007 007 00		
		current input ± 40 mA	Current input ± 5 A		
		10 (2014)	- 807/15 V.(55) 537/		
		24V d.s. ± 40 mA Channel 2 14 13 8 10	34V dis +43 mA Channel 2 14 13 8 10	-	
Ordering Example:					
he code: NA6 - M GB U 1 1 4 1 0 00 8 means:		Channel 1 14 13 5 3	Charrier 14 13 5 3		
NA6 - digital meter with bargraph of NA6 type	2,			ADEL INSTRUMENTION	
 M - with a seven-color bargraph, GB - green-blue display color on channel 1 and 	d 2.	*	N: # 10]	28 Rue de Stalingrad 38300 BOURGOIN JALL	
U - with an universal input signal,		X	1	Tél: 04 74 93 06 37 contact @adel-instrumenta	
 analog programmable output signal: 0/4 RS-485 output signal, 	20 mA,			www.adel-instrumentation	
 4 - with additional 4 relays digital output sign 	nal,	two-wire object transducer	three-wire object transducer		

Fig. 2 Connection way of input signals.

- a supply voltage: 95...253 V a.c./d.c.,
 b terminals of plug-in socket type,
 c standard version,
 a without extra quality requirements.