

OPERATION MANUAL

Wind Speed Meter TUMI 30 DAE



**Sensor
TGA-6,
TGA-6-L**



**Central Unit
TUMI-30-DAE**

For:

- meteorologic stations, ships, tug boats,
- tanks, towers, power stations,
- oil crafts, seaports, airports, cranes etc.
with 1 to 4 adjustable relay alarms

Wind Speed Meter TUMI 30 DAE



TGA-6



TUMI-30-DAE

TECHNICAL DATA:

SENSOR:

Type: : TGA-6
Measurement range : 0 to 60 m/s
Starting speed : 0.7 m/s
Accuracy FS : ± 0.2 m/s or $\pm 2\%$
Operating temp. : $-40...+50\text{ }^{\circ}\text{C}$
Ball bearing : stainless St,
Dimensions : $\phi 170 \times 300$ mm.

OPTIONS:

Sensor heating : TGA-6-L (3 W max.)

Cable

(shielded instrument cable)
: 2×0.5 mm² + shield
: not included

DISPLAY UNIT:

Type : TUMI 30 DAE
Range : 0...30 m/s
Accuracy : ± 0.2 m/s or $\pm 2\%$
Operating temp. : $0...+50\text{ }^{\circ}\text{C}$
Voltage : 24 VDC, 5 W
Dimensions : $180 \times 130 \times 75$ mm³.

OPTIONS:

Voice alarm, pot.adjust. : -A internal buzzer,
Relay alarm, pot.adjust. 1 : -R 1 pcs. relay
Relay alarm, pot.adjust. 2 : -2R 2 pcs. relay
Relay alarm, pot.adjust. 3 : -3R 3 pcs. relay
Relay alarm, pot.adjust. 4 : -4R 4 pcs. relay
Universal Power (UP) : 100-240VAC, 50-60Hz
(Without AC power) : -24VDC
Power options (transformer) : 230 VAC or 115 VAC,
Different scales : *Please ask*

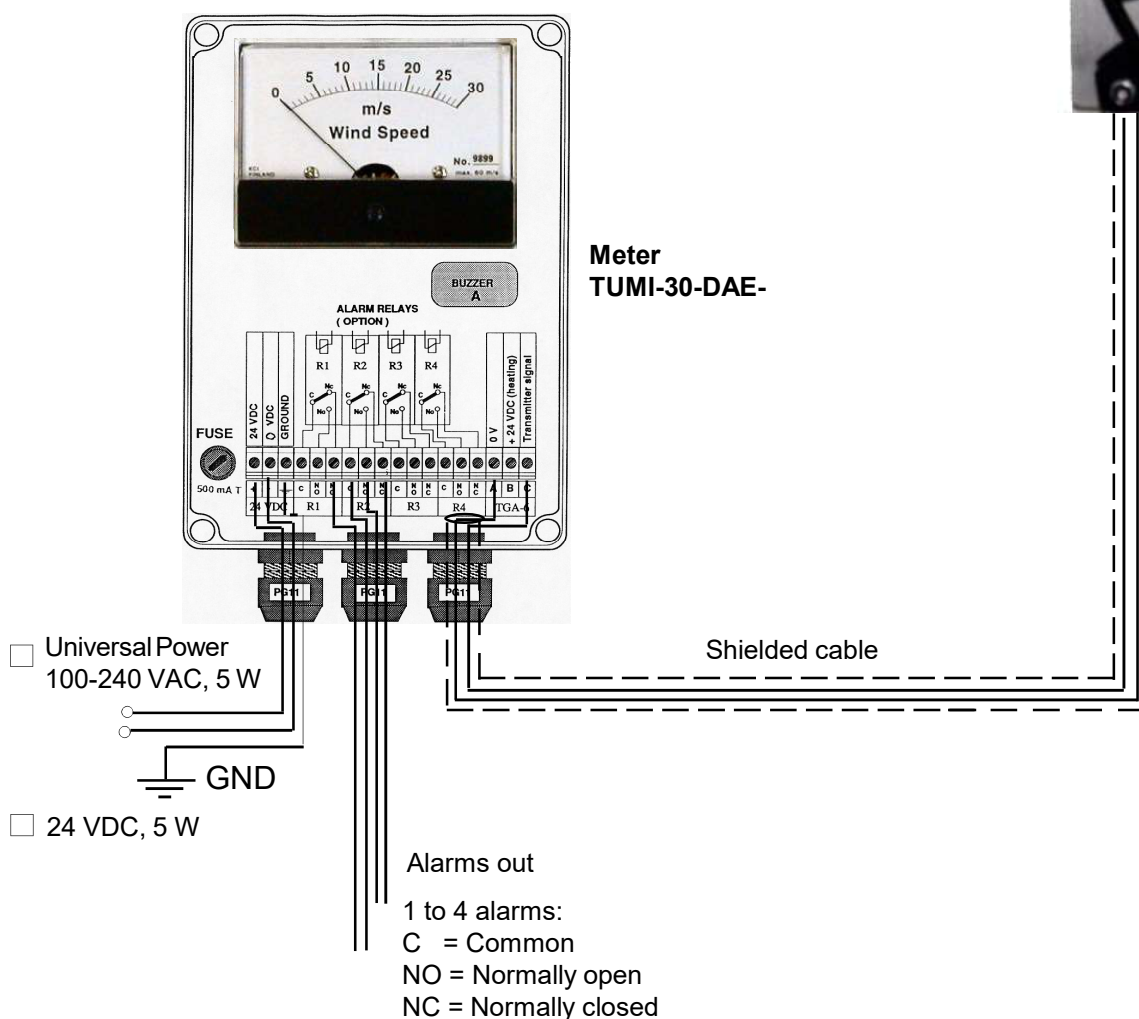
Serial No. _____ Date of delivery: _____

QC: _____

Installation: Cabling

To connect the sensor TGA-6 and Meter TUMI-30-DAE:

1. Use shielded cable e.g. 2*0,5 mm² + shield
(shield to GND in meter side)
2. Connect TGA-6 and TUMI-meter
A = 0V, C = signal together
(Case of heating, B=24 VDC, together)
3. Alarms out
C = Common to
NO = Normally Open
(connect relay when exceed the alarm level)
NC = Normally Closed
(open relay when exceed the alarm level)
4. Power line L, N and GND



TUMI Wind Meter Order instructions

TUMI can be equipped with several options and measurement scales:

Sensor	TGA-6 (anemometer, transmitter)
TGA-6	Wind Sensor 6 pulse / rev.
TGA-6-L	Wind Sensor 6 pulse / rev. with heating (24 VDC, 3 W)



TUMI Wind Meter

Scale	
-30	0 to 30 m/s (meter size: 65 * 85 mm ²),
Type DAE	equipped with with standard analog 0 - 1 mA meter in case
D	For digital pulse transmitter TGA-6 (6 pulses/rev.)
A	Analog current output meter, normally 0 - 1 mA (calibrated for the specified scales)
E	Case, 130 * 180 * 75 mm ³ . polycarbonate, IP65
Power supply:	
-UP	Universal Power 100 ... 240 VAC, 50 - 60 Hz, 5 W
Option:	
-24	24 VDC, 5 W Power supply use
Alarm options:	(only for 0 to 30 m/s scale).
-AR1	One adjustable alarm, A=buzzer, R= relay
-AR2	Two adjustable alarm, A=buzzer, R= relay (Buzzer is parallel with first relay)
-AR3	Tree ajustable alarm, A=buzzer, R= relay (Buzzer is parallel with first relay)
-AR4	Four adjustable alarm, A=buzzer, R= relay (Buzzer is parallel with first relay)
-D(option)	Delay, 2 - 12 sec. for one relay please specify (6 sec. factory default).
For example:	TUMI-30-DAE-UP-AR2/ TGA-6-L
Wind meter	TUMI
-30	calibrated for 30 m/s,
-DAE	for TGA-6 sensor / PC case & display meter,
-UP	Universal Power 100 ... 240 VAC, 50 - 60 Hz, 5 W
-AR2	buzzer and two adjustable relay alarms (0 to 30 m/s scale)
-sensor	TGA-6-L with heating (option)

