



Thies Clima

Garanti: 12 ay

Bu rne ait Trkiye ii kapı teslim fiyat ve teslim sresi ieren teklifimizi almak iin info@yursat.com.tr e-posta adresine baŐvuru yapabilir ya da ayrıntılı bilgi iin +90 224 240 03 04 numaralı telefonumuzdan bizlere ulaŐabilirsiniz.

Thies Clima Markası, tedarik sresi iin ltfen bizimle iletiŐime geiniz.

Firmamız Thies Clima Trkiye Distribtr veya temsilcisi deĐildir. Firmamız sipariŐ durumunda, belirtilen rnlerde sadece Orjinal ve yeni rn teklifi sunmaktadır. Bu sitede gsterilen zel marka adları ve ticari markalar ilgili sahiplerinin mlkiyetindedir, talep durumunda kaldırılmaktadır.

rn	Aıklama
4.3519.41.741	WIND SENSOR - COMPACT 399.00 25 598.50 ANALOGUE OUTPUT: 4..20mA, 75m / s; 110 W HZ MEASURING RANGE: 0.5 75.0 m / s / 4- 20 mA RESOLUTION: <0.1 m / s OPERATING VOLTAGE: 9 ... 30 V DC OR 24 V AC HEATING: 24 V AC / DC MAX. 110 W AMBIENT TEMP .: -40 ... + 70 ° C BUILT-IN 7-PIN CONNECTOR BINDER IP 67 INCL. COUNTER PLUG. WEIGHT: 0,4 KG
4.3323.60.000	COMBINED WIND SENSOR 1,896.50 25 1,422.37 WITH TMR SENSOR 170/0/170 ° 0.3-75m / s WIND SPEED: MEASURING RANGE: 0.3 ... 75 m / s OUTPUT: PULSE 3 ... 1042 Hz @ 50m / s, 15 V 1582 HZ @ 75m / s WIND DIRECTION: MEASURING RANGE: 0 ... 360 ° OUTPUT: 0 ... 10 V / 5 V SUEDE GENERALLY: HEATING: 26 V AC 40 W ELECTR. REGULATED AMBIENT TEMP .: -35 ... + 80 ° C CONNECTION: 7-pin. CONNECTOR WEIGHT: 3 KG WIND VANE AND ALUMINUM SWITCH STAR BLACK ANODISED AND COMPACTED HOUSING: ALMGSI1 / V4A 1.45 71
1.0610.10.000	
1.0610.12.900	
1.0614.10.000	
1.0614.12.000	
1.0615.12.000	
1.0615.12.900	
1.0665.00.011 (205092 WRITE STRIP 620/640/7/H 205092 1 20 MB: -10 ... +50 ° C 0.0 TO 100% RH 1 SET =	
1.1000.50.015	
1.1000.50.515	

1.1005.54.902
1.1025.55.100
2.0600.10.017
200041
205092
213063 + 212812 + 0.9200.00.901
4.3128.20.70
4.3129.00.041
4.3129.00.161
4.3129.60.141
4.3129.60.741
4.3150.10.210
4.3151.00(10).000
4.3151.00.001 + D-T43150XX 2.3
4.3151.00.141
4.3151.10.210
4.3171.30.000
4.3187.11.003
4.3187.11.048
4.3303.22.040
4.3303.22.041
4.3336.31.000
4.3336.32.000
4.3348.20.041
4.3351.00(10).000
4.3351.00.000 + T433XXXX 2.3
4.3515.30.000
4.3519.00.161
4.3520.00.000
4.3520.10.000

4.3801.01.100	
4.3820.00.050	
4.3820.00.300	
4.3820.00.340	ULTRASonic Anemometer 2D 485/422,FD;VDT 9600 N81
4.3820.01.310	
4.3820.30.340	
4.3820.34.318	
4.3821.01.000	
4.9056.10.001	
4.9101.00.061	
4.9111.00.061	
5.4103.10.700	
5.4103.20.041	
500847	
500847 (1 pack=6 pcs)	
502952	
506345	
508077	
508354	
509528	
509564	
510023	
7.1414.51.150	
7.1414.51.550	
7.1415.00.200	
7996	
9.1700.98.001	
ANSCHLUSSKABEL WSC 11 (509585)	
Datalogger DLx-MET	
E433XXXX 2.3	
MONTAGEWINKEL for WSC11 (509564)	

PD41-4PY2-R1H-40	
WSC 11	
4.3519.41.741	WIND TRANSMITTER - COMPACT ANALOG OUTPUT: 4..20mA,75m/s; 110W HZ MEASURING RANGE: 0.5....75.0 m/s /4- 20 mA RESOLUTION: < 0.1m/s OPERATING VOLTAGE: 9...30 V DC OR 24 V AC HEATING: 24VAC/DC MAX. 110W AMBIENT TEMP.: -40...+ 70°C BUILT-IN 7-PIN PLUG CONNECTION BINDER IP 67 INCL. MATCHING PLUG. WEIGHT : 0.4KG
4.3619.40.741 (Alternative)	WIND TRANSMITTER - COMPACT ANALOG OUTPUT: 4 ... 20 mA; 60W HZ MEASURING RANGE: 0.5 ... 60 m/s RESOLUTION: < 0.1m/s OPERATING VOLTAGE: 9 ... 30 V DC OR 24 V AC HEATING: 24VAC/DC MAX. 60W AMBIENT TEMP.: -30 ... +70 °C BUILT-IN 7-PIN PLUG CONNECTION BINDER IP 67 INCL. MATCHING PLUG. WEIGHT : 0.4KG
0.3519.40.901 (optional)	CABLE ASSEMBLY FOR 1x7-pol.BINDER KUPPLUNGSD. 211194
4.3619.40.141 (alternative)	WIND TRANSMITTER - COMPACT ANALOG OUTPUT: 4 ... 20 mA, 60 W HZ MEASURING RANGE : 0.5 ... 60 m/s RESOLUTION: < 0.1m/s OPERATING VOLTAGE : 9 ... 30 V DC OR 24 V AC HEATING: 24 V AC/DC MAX.60 W AMBIENT TEMP.: -40 ... +70 °C CONNECTING CABLE: 12 m; 6 x 0.5mm ² ; UV-RESISTANT WEIGHT: 1.7KG
4.3619.00.141	WIND TRANSMITTER - COMPACT ANALOG OUTPUT: 4 ... 20 mA MEASURING RANGE : 0.5 ... 60 m/s RESOLUTION: < 0.1m/s OPERATING VOLTAGE : 9 ... 30 V DC OR 24 V AC HEATING: 24 V AC/DC MAX.20 W AMBIENT TEMP.: -40 ... +70°C CONNECTING CABLE: 12 m; 6 x 0.25mm ² ; UV-RESISTANT WEIGHT: 0.75KG
Thies First Class Calibration Anemometer	
WindVane with Thies First Class Calibration	
4.3303.22.101	WIND TRANSMITTER Mb.: 0.3..50 m/s; SHIP EXECUTION Thies Clima Wind Transmitter Classic, ship version With 15 m cable, connected to the transmitter
212695	m CABLE 5X0.5MM ² LI9YC11Y BLACK UV- HALOGEN-SEAWATER- EST. Ø6.4
0.3303.22.917	CABLE ASSEMBLY FOR 1 x 7-pin BINDER PLUG 201061 CUSTOMS TARIFF NO.: 85444290
4.3125.33.101	WIND DIRECTOR MARINE VERSION OUTPUT: SERIAL SYNCHRONOUS 8 BIT MEASUREMENT RANGE: 0...360° RESOLUTION: 2.5° ACCURACY: +/- 1.5° TMR SENSING 10 BIT DAMPING DEGREE: >0.3 SUPPLY: 4-30V DC HEATING: 25V AC/DC. 20 WATTS CONNECTION TYPE: PLUG CONNECTOR 7-pin. BINDER SERIES 423, INCL. MATCHING PLUG Thies Clima Wind Direction transmitter Classic, ship version With 15 m cable, connected to the transmitter

212576	m CABLE 8x0.5mm ² LIYCY BLACK UV RESISTANT, OUTSIDE Ø 7.6 +-0.20
0.3125.33.907	CABLE ASSEMBLY FOR 1 x 7-pin PLUG 211194
1.1005.64.000	HYGRO-THERMOTRANSMITTER - COMPACT ZE 21; OUTP.: 0...1 V/Pt 100.1/3,CI.B REL. HUMIDITY: MEASURING RANGE: 0...100 % REL.F. OUTPUT: 0.....1V MEASURING ELEMENT: CAPACITIVE SENSOR ACCURACY: +/- 2% R.F. TEMPERATURE: MEASURING ELEMENT: PT-100 N.DIN EN 60751 1/3 DIN CLASS B DEVIATION: +/- 0.1°C AT 0°C GENERAL: WITH SINTER FILTER ZE21 AMBIENT TEMP.: -40...+ 100°C OPERATING VOLTAGE: 6...30 V DC DIMENSIONS: HEAD: 21mm DIAMETER SHAFT: 20mm DIAMETER TOTAL LENGTH: 170mm CABLE LENGTH: 5m WEIGHT: 0.45KG CUSTOMS TARIFF NO.: 90158020
4.3251.00.002	WIND DISPLAY LED SHIP LOG/GYRO/WEATHER RS485 NMEA 230V MARINE ELECTRONICS TO DIGITAL DISPLAY OF WIND DATA AND BACK PROCESSING AND TRANSMITTING NMEA AND WEATHER DATA. DETECTION AND EVALUATION OF WIND, TEMPERATURE, HUMIDITY, PRESSURE, LOGUND GYRO SIGNALS. OUTPUT OF THE WEATHER DATA OVER TWO SERIAL RS 422 INTERFACE IN NMEA 0183 DEFAULT AND CUSTOM. REPRESENTATION OF WIND DIRECTION BY 72 CIRCULAR ARRANGED LED LIGHT BARS AND WIND SPEED BY A THREE-DIGIT 7- SEGMENT LED DISPLAY. THE DIRECTION CIRCLE IS BY RED AND GREEN LED'S, PORT AND STARBOARD ACCORDINGLY DIVIDED. WIND SPEED REPRESENTATION: - CURRENT VALUE WIND DIRECTION DISPLAY OPTIONS: - INSTANTANEOUS AND AVERAGE (6 SEC) OR -MEANS AND VARIATION TEMPERATURE, HUMIDITY AND PRESSURE VALUES ARE NOT DISPLAYED. IF VALID LOG AND GYRO INFORMATION
4.3251.00.000	WIND DISPLAY LED SHIP 1,566.00 15 3,993.30 230VAC, RS485, FREQUENCY/SS DIGITAL DISPLAY DEVICE FOR REPRESENTATION OF WIND SPEED AND DIRECTION. THE DIRECTION WILL BY 72 CIRCULAR ARRANGEMENTS LED LIGHT BAR AND SPEED INDICATED BY 7-SEGMENT LED'S. THE DIRECTION CIRCLE IS BY RED AND GREEN LED'S CORRESPONDING TO PORT AND STARBOARD SHARE. PRESENTATION OF THE WG: -CURRENT VALUE POSSIBILITIES FOR REPRESENTING THE WR: -INSTANTANEOUS OR DELAYED OR -INSTANTANEOUS VALUE AND VARIATION OR -DELAYED AND VARIATION WHEN USING A SUITABLE ENCODER ELECTRONICS/MASTER DISPLAY e.g. 4.3251.00.001 IS THE REPRESENTATION THE "TRUE" WIND VALUES POSSIBLE. THROUGH A BUILT-IN RS 422 INTERFACE CAN UP TO 10 MORE WINDDISPLAYS LED TO BE OPERATED. TECHNICAL SPECIFICATIONS: OPERATING VOLTAGE: 230V / 50Hz; 24VAC; 12V-35VDC DISPLAY AREA: SPEED: 0...99.9 / 0...999 m/s/kn/km/h/Bft DIRECTION: 0°-180°-0° (0-360°) RESOLUTION SPEED: 0.1/1 DIRECTION: 5° WIND TRANSDUCER INPUT: WG: 0...1600 Hz WR: THIES- SYNCHRONOUS SERIAL
	Range: -20...+60°C;10-100% REL. HUMIDITY REGISTRATION

1.0660.00.005 HYGRO-THERMOGRAPH	TIME: 1 AND 7 DAYS DIVISION: 5% REL. MOISTURE; 1 DEGREE C WRITING WIDTH: 2 x 82 mm MOVEMENT: HAND WINDING DRUM MOVEMENT MEASURING ELEMENT: "H" F. REL. HUMIDITY BIMETAL F. TEMP. -REGISTRATION IS DONE BY FIBER PENS. Scope of supply: 205088 STRIP 620/640/7/H Range: -20...+60°C,0-100% r.h. 1 SET = 100 SHEET
Repeater	
Installation Materials and Spare Parts	
9.1702.30.000	INTERFACE CONVERTER RS 422/RS 232 - PC FD
9.1702.40.002	INTERFACE CONVERTER RS 422/485/232 TO USB GALV. GET
1.1025.55.000	WEATHER AND RADIATION PROTECTION COMPACT DIMENSIONS: 120mm DIAMETER TOTAL LENGTH: 275mm BRACKET: FOR 30-50 mm MAST PIPE INSTALLATION WEIGHT: 0.80kg
56281	WINDGEBER - COMPACT ANALOG OUTPUT: 4..20mA,75m/s; 110W HZ MEASURING RANGE: 0.5...75.0 m/s /4- 20 mA RESOLUTION: < 0.1m/s OPERATING VOLTAGE: 9...30 V DC OR 24 V AC HEATING: 24VAC/DC MAX. 110W AMBIENT TEMP.: -40...+ 70°C BUILT-IN 7-PIN PLUG CONNECTION BINDER IP 67 INCL. MATCHING PLUG. WEIGHT : 0.4KG
4.3351.00.000	WIND TRANSMITTER FIRST CLASS ADVANCED CLASS 0.5;Mb.: 0.3...75.0 m/s, HEATED CUP STAR ANEMOMETER WITH OPTOELECTRONIC SCANNING ACCORDING TO MEASNET, CLASSCUP AND IEC RECOMMENDATIONS, CLASS 0.5. FREQUENCY OUTPUT: 1082Hz/50m/s START-UP: 0.3 m/s MAX. LOAD: 85 m/s LINEARITY: > 0.99997 PATH CONSTANT: < 3 m PERMITTED AMBIENT CONDITIONS: -50...+ 80 °C; 0...100% RH CARE: 3.3V-42VDC,TYPE:0.3mA/3.3VDC HEATING: 24 VAC/DC, 25 WATTS REGULATED CONNECTOR 8-pin. BINDER M INCLUDING MATCHING PLUG 8-pol. f MOUNTING: 1" DIN 2441 FOR POLE DIAMETER 33.5 mm
4.3323.60.000	
4.3351.00.000	WIND TRANSDUCER FIRST CLASS ADVANCED CLASS 0.5;Mb.: 0.3...75.0 m/s, HEATED CUP STAR ANEMOMETER WITH OPTOELECTRONIC SCANNING ACCORDING TO MEASNET, CLASSCUP AND IEC RECOMMENDATIONS, CLASS 0.5. FREQUENCY OUTPUT: 1082 Hz/50 m/s STARTING: 0.3 m/s MAX. LOAD: 85 m/s LINIARITY: > 0.99997 PATH CONSTANT: < 3 m ALLOWABLE ENVIRONMENTAL CONDITIONS: -50...+80°C; 0...100% R.H. CARE: 3.3V-42VDC,TYPE:0.3mA/3.3VDC HEATING: 24 VAC/DC, 25 WATT REGULATED CONNECTOR 8-pin BINDER M INCLUDING MATCHING PLUG 8-pin. F FASTENING: 1" DIN 2441 FOR MAST DIAMETER 33.5 mm WEIGHT: APPROX. 0.5KG
Wind Transmitter Classic, ship version	Product code: 4.3303.22.101
Wind Direction transmitter Classic, ship version	product code: 4.3125.33.10
Wind Display LED, ship version	Product code: 4.3251.00.002

Repeater	
Hygro-Thermo Transmitter	Product code:1.1005.64.000
Installation Materials and Spare Parts	
0.3303.22.901	CABLE ASSEMBLY FOR 1 x 5-pin. PLUG 201041
0.3125.80.907	CABLE ASSEMBLY FOR 1 x 7-pin. PLUG 211194
201041	COUPLING SOCKET 5-pin 09 0038 00 05
212695.	m CABLE 5X0.5MM ² LI9YC11Y BLACK UV HALOGEN SEAWATER CONDITION Ø6.4
0.3303.22.901.	CABLE ASSEMBLY FOR 1 x 5-pin PLUG 201041
211194	COUPLING SOCKET 7-pin EMC 99 5626 09 07 SERIES 423
212576.	m CABLE 8x0.5mm ² LIYCY BLACK UV-RESISTANT, OUTSIDE Ø 7.6 +-0.20
0.3125.80.907.	CABLE ASSEMBLY FOR 1 x 7-pin PLUG 211194
1.1005.54.330	HYGRO THERMAL SENSOR - COMPACT OUTPUT: 0...1 V/Pt 100.1/3, KI.B V2A, 30m CABLE REL. HUMIDITY: MEASURING RANGE: 0...100% REL.F. OUTPUT: 0.....1V MEASURING ELEMENT: CAPACITIVE SENSOR ACCURACY: +/- 2% R.H. TEMPERATURE: MEASURING ELEMENT: PT-100 N.DIN EN 60751 1/3 DIN CLASS B DEVIATION: +/- 0.1°C AT 0°C GENERALLY: AMBIENT TEMP.: -40...+100°C OPERATING VOLTAGE: 6...30 V DC WITH STAINLESS STEEL SINTER FILTER TYPE ZE21 ALUMINUM CONNECTION HEAD WITH SCREW FITTINGS STAINLESS STEEL DIMENSIONS: HEAD: 21mm DIAMETER SHAFT: 20mm DIAMETER TOTAL LENGTH: 170 mm CABLE LENGTH: 30 m WEIGHT: 0.45KG
1.1025.55.000.	WEATHER AND RADIATION PROTECTION COMPACT DIMENSIONS: 120mm DIAMETER TOTAL LENGTH: 275 mm MOUNTING ANGLE: FOR 30-50 mm MAST PIPE MOUNTING WEIGHT: 0.80kg PG SENSOR MOUNT A NOTICE: _____ THERE IS NO WEATHER AND RADIATION PROTECTION CABLE/ELECTRICAL CONNECTION.
9.3199.01.100.	CONNECTION BOX - COMPACT 1 923.00 25 1,384.50 WITH 12VDC/24VDC -SERVES TO SUPPLY THE POWER MEASUREMENT TRANSDUCERS AND PROTECTION THE FOLLOWING ELECTRONICS FROM SURGES. CONNECTION BOX CONSISTING OF: -PAINTED ALUMINUM HOUSING -VARISTOR FOR EACH CABLE LOAD SUPPLY: 230V/50HZ SECONDARY CONNECTIONS: - 24V AC 90VA - 24V AC 27.5VA - 24V AC 12.5VA - 24V DC 5W - 24V DC 1.5W - 12V DC 2.5W EMC SCREW. FOR ENTRANCE AND EXITS DIMENSIONS: 160 x 260 x 90 mm (H x W x D) PROTECTION TYPE: IP 65 REMARK: _____ DEVICE PRICES DO NOT INCLUDE ASSEMBLY AND COMMISSIONING. WE ASSUME THAT THIS IS CARRIED OUT YOURSELF.

[4.3875.01.310](#)

ULTRASONIC ANEMOMETER 2D COMPACT OS 485/422,HD;96N81,4-20 mA;HP10 THE ULTRASONIC ANEMOMETER 2D COMPACT , OFFSHORE , IS PARTICULARLY DESIGNED AND SUITABLE FOR OFFSHORE USE THANKS TO A SPECIAL ANODIZATION. SPECIALLY DESIGNED FOR USE IN HARSH ENVIRONMENTAL CONDITIONS, THE DEVICE RECORDS THE HORIZONTAL COMPONENTS OF WIND SPEED AND WIND DIRECTION. VIRTUAL TEMPERATURE IS AVAILABLE AS AN ADDITIONAL CHARACTERISTIC. THE MEASUREMENTS CAN BE OUTPUT DIGITALLY AND ANALOGUE. THE ACOUSTIC MEASUREMENT PRINCIPLE ALLOWS INERTIA-FREE MEASUREMENT OF WIND VECTORS WITHOUT THE HIGHEST PRECISION. A CONTROLLED HEATING SYSTEM INTEGRATED IN THE SENSORS AND HOUSING ENSURES UNINTERRUPTED YEAR-ROUND OPERATION EVEN UNDER EXTREME CLIMATIC CONDITIONS TECHNICAL DATA: WIND SPEED MEASUREMENT RANGE: 0.1..75 m/s ACCURACITY: 0.2 m/s RMS @ <5m/s ; +/- 2% > 5 m/s WIND DIRECTION ACCURACITY: +/- 2.0 ° @ WG>1m/s VIRTUAL TEMPERATURE MEASURING RANGE: - 50°C...+70°C ACCURACITY: +/- 2 K DIGITAL OUTPUT: RS 485/422 FULL- / HALFDUPLEX BAUD RATE: 1200...921600 BIT/s e.g. 8N1 TELEGRAM: e.g. VDT, ADJUSTABLE OUTPUT RATE: 100 HZ...0.1 HZ ADJUSTABLE/ 1 ms ANALOG OUTPUT: 0/4..20 mA, 0/2..10 V, 16 BIT, BURDEN 300 OHM SCALING: 0...60 m/s ADJUSTABLE; 0- 360 ° OUTPUT RATE: 100 HZ ANALOG OUTPUT ONLY IN HALF DUPLEX OPERATION GENERAL: INTERNAL MEASURING RATE: MAX 250 HZ OPERATING VOLTAGE: 8..60 V DC / 12..42 V AC; 1.2 W WITH HEATING: 24V AC /DC +/- 15%, 240 VA TEMP. RANGE: - 40...+70°C HOUSING: ALUMINUM MG SI1 HARD ANODIZED, SEAWATER RESISTANT MAST MOUNTING: 1.5" PROTECTION CLASS: IP 68 CONNECTION: 8 PIN PLUG CUSTOMS TARIFF NO.: 90158020

[508104](#)

CONNECTION CABLE, COMPLETE DSP 5 METERS 4 x 0.75 +2x2x0.14mm² + 8 pin CUSTOMS TARIFF NO.: 85444290

[4.3336.31.001](#)

COMBINED WIND TRANSMITTER WITH CABLE SHIP VERSION FOR WIND DIRECTION AND VELOCITY WIND VELOCITY. MEAS.RANGE: 0,3...50 m/s OUTPUT: PULSES,1042 Hz AT 50 m/s WIND DIRECTION. MEAS.RANGE: 0...360 ANGLE DEG. RESOLUTION: 2,5 ANGLE DEG. OUTPUT: SERIAL DATA TELEGRAM GENERAL. SCANNING: OPTO-ELECTRONICALLY FOR WIND DIRECTION AND WIND VELOCITY HEATING : 24 V/40 W REGULATED ELECTRONICALLY

ULTRASONIC ANEMOMETER 2D 485/422/HD/96N81.4-20mA,Pt,EK THE ULTRASONIC ANEMOMETER 2D RECORDS THE HORIZONTAL COMPONENTS OF THE WIND SPEED AND THE WIND DIRECTION AS WELL AS THE ACOUSTIC VIRTUAL TEMPERATURE. THE MEASUREMENT VALUES ARE OUTPUT DIGITALLY AND ANALOGUE. THE ACOUSTIC MEASUREMENT PRINCIPLE ALLOWS MEASUREMENT OF RAPIDLY CHANGING VALUES AND THE DETECTION OF GUSTS AND PEAK VALUES WITHOUT INERTIA LOSSES AND WITH THE HIGHEST PRECISION. THE NON-CONTACT MEASUREMENT METHODS MAKES THE DEVICE WEAR-FREE. AN INTEGRATED PTC HEATER AVOIDS DISTURBANCES IN WINTER OPERATION

[4.3820.31.310](#)

EVEN UNDER EXTREME CONDITIONS. TECHNICAL DATA:
WIND SPEED: MEASURING RANGE: 0...85 m/s RESOLUTION:
0.1 m/s ACCURACY: +/- 0.1 m/s, IN THE RANGE 0-5 m/s OR
+/- 2% OF THE MEASURED VALUE FROM 5 m/s WIND
DIRECTION: MEASURING RANGE: 0...360° RESOLUTION: 1°
ACCURACY: +/- 1.0° VIRTUAL TEMPERATURE: MEASURING
RANGE: -50...+70°C RESOLUTION: 0.1 K ACCURACY: +/- 0.5
K DIGITAL DATA OUTPUT: INTERFACE: RS 485/RS 422 BAUD
RATE: 1200...921600 OUTPUT: CURRENT VALUES WIND
SPEED; WIND DIRECTION VIRTUAL TEMPERATURE MOVING
AVERAGE VALUES 0.5sec...100min STANDARD DEVIATION
PRE-DEFINED AND USER-DEFINED TELEGRAMS OUTPUT RATE:
100 PER SECOND ONLY IN HALF-DUPLEX OPERATION
ANALOG INPUTS AND OUTPUTS ANALOG OUTPUTS:
ELECTRICAL OUTPUT: 0/2V...10V AND 0/4...20mA
PARAMETER: WIND DIRECTION, WIND SPEED VIRTUAL
TEMPERATURE INSTANTANEOUS OR MOVING AVERAGE
VALUES CURRENT OUTPUT BURDEN: MAX 400OHM VOLTAGE
OUTPUT BURDEN: MIN 4000OHM UPDATE RATE: 1...100Hz
RESOLUTION: 16BIT OR: ANALOG INPUTS: NUMBER: 3 X
0...10V RESOLUTION: 16BIT SAMPLING RATE: 0.1...100HZ
ACCURACY: +/-0.1% AT -50°...70°C DATA OUTPUT: SERIAL
TELEGRAM GENERAL: INTERNAL MEASURING RATE: 400 Hz,
AT 20°C BUS OPERATION UP TO 99 DEVICES OPERATING
VOLTAGE: 8-42V DC, 12-30V AC, TYPE: 1.5 VA WITH
HEATER: 24 V AC/DC;TYPE 80 VA MAX: 90 VA TEMP. RANGE:
(-75) -50...+ 70 °C (WITH HEATER) INSTALLATION: ON MAST
TUBE 1.5" /48.3mm HOUSING: STAINLESS STEEL V4A
WEIGHT: 2.5KG EMC: EN55022:1998, EN55024:1998,
EN61326:, A3:2003 CONNECTION: 8-PIN PLUG IN SHAFT
PROTECTION CLASS: IP 67 25 pcs 508396 DORN 50 LANG, US
2D 25 pcs 212352 PROTECTIVE CAP 4 mm ORDER NO. GPN
255/4

[4.3830.21.310](#)

ULTRASONIC ANEMOMETER 3D 485/422;HD;96;8N1;4-20mA
THE ULTRASONIC ANEMOMETER 3D CAPTURES THE
HORIZONTAL AND VERTICAL COMPONENTS OF WIND SPEED
AND WIND DIRECTION. THE VIRTUAL TEMPERATURE IS AN
ADDITIONAL INDICATOR AVAILABLE. THE MEASUREMENTS
ARE TRANSMITTED DIGITALLY VIA RS485/422 ISSUE. THE
ACOUSTIC MEASURING PRINCIPLE ALLOWS A MEASUREMENT
RAPIDLY CHANGING SIZES AND GUST AND PEAK VALUE
DETECTION WITHOUT INERTIAL LOSSES AND WITH
MAXIMUM PRECISION. THE INTEGRATED HEATING ALLOWS
UNINTERRUPTED WINTER OPERATION. TECHNICAL DATA:
WIND SPEED: MEASURING RANGE: HORIZONTAL: 0.01...85
m/s VERTICAL: 0.01..65 m/s RESOLUTION: 0.01 m/s, 1°
ACCURACY: +/- 0.1 m/s IN THE RANGE 0.01..5 m/s OR +/- 2
% RMS OF MEASURED VALUE > 5 m/s WIND DIRECTION:
MEASURING RANGE: AZIMUT: 0..360° ELEVATION: 0..180°
RESOLUTION: 1 ° ACCURACY: +/- 1.0° VIRTUAL
TEMPERATURE: MEASURING RANGE: - 40...+ 70°C
RESOLUTION: 0.1 K ACCURACY: +/- 0.5 K / AT 20 ° DATA
OUTPUT DIGITAL: INTERFACE: RS 485/ RS 422 OUTPUT:
CURRENT/AVERAGE OUTPUT RATE: 1 MS..60 SECONDS
GENERALLY: INTERNAL MEASUREMENT RATE: 1500 Hz, AT 25
°C OPERATING VOLTAGE: ELECTRONICS: 12-24V AC/DC; +/-
10%, 3VA HEATING: 24V AC/DC, +/- 15%, MAX. 150 VA
TEMP. RANGE: - 55...+ 70°C CASE: STAINLESS STEEL V4A

	PROTECTION CLASS: IP 67 CONNECTION: 8-pin CONNECTOR MOUNTING: MAST TUBE 1.5 "
4.3875.02.300	
4.3303.22.101	WIND SENSOR Mb.: 0.3..50 m/s; SHIP DESIGN
4.3352.10.000	WIND GENERATOR FIRST CLASS ADVANCED II CLASS A 2.3; MB.: 0.3...75.0 m/s Cup Star Anemometer with OPTOELECTRONIC SAMPLING ACCORDING TO MEASNET, CLASSCUP AND IEC RECOMMENDATIONS, CLASS 0.5. FREQUENCY OUTPUT: 1082 Hz/50 m/s START-UP: 0.3 m/s MAX. LOAD: 85 m/s LINEARITY: > TBD DISTANCE CONSTANT: < 3 m PERMITTED ENVIRONMENTAL CONDITIONS: -50...+ 80 °C; 0...100 % RH SUPPLY: 3.3V- 42VDC,TYPE:0.2mA/3.3VDC WITHOUT HEATING 8-pin connector, binder M INCLUDES 8-pin mating connector. MOUNTING: 1" DIN 2441 FOR MAST DIAMETER 33.5 mm
4.3351.10.000	WIND TRANSDUCER FIRST CLASS ADVANCED CLASS 0.5; Mb.: 0.3-75.0 m/s, WITHOUT HEATING Cup Star Anemometer with OPTOELECTRONIC SAMPLING ACCORDING TO MEASNET, CLASSCUP AND IEC RECOMMENDATIONS class 0.5. FREQUENCY OUTPUT: 1082 Hz/50 m/s START-UP: 0.3 m/s MAX. LOAD: 85 m/s LINIARY: > 0.99997 PATH CONSTANT: < 3 m PERMITTED ENVIRONMENTAL CONDITIONS: -50...+ 80 °C; 0...100 % RH SUPPLY: 3.3V-42VDC,TYPE:0.3mA/3.3VDC 8-pin connector, binder M INCLUDES 8-pin mating connector. MOUNTING: 1" DIN 2441 FOR MAST DIAMETER 33.5 mm
4.3151.10.001	Wind Direction Sensor First Class 10-BIT SERIAL SYNCHRONOUS, 0-359 <°, UNHEALED. WIND DIRECTIONAL FLAG WITH OPTIMAL FLUID TECHNICAL PROPERTIES. MAGNETIC ABSOLUTE ANGLE SAMPLING. DIGITAL OUTPUT: SERIAL SYNCHRONOUS 10-BIT RESOLUTION: 0.35° ACCURACY: 0.5° START-UP: 0.5 m/s AT 10° DEFLECTION DISTANCE CONSTANT < 1.8 m ACCORDING TO ASTM D53666- 96 Damping coefficient D>0.3 according to ASTM D 53666-96 PERMITTED ENVIRONMENTAL CONDITIONS: -50...+ 80°C, ICE-FREE POWER SUPPLY: 3.3 V DC - 42 V DC / < 1 mA STANDBY 8-pin connector, Binder-M included 8-pin mating connector Binder-F FASTENING: 1" e.g. DIN 2441 PROTECTION CLASS: IP 55 (DIN40050)
2.1265.20.000	
5.4032.35.008	
4.3129.60.161	
4.9202.00.000	
1.0614.12.000	Hygrograph
3.1157.10.141	
4.3519.00.141	WIND TRANSMITTER - COMPACT ANALOG OUTPUT: 4...20 mA MEASURING RANGE: 0.5 ... 50 m/s RESOLUTION: < 0.1 m/s OPERATING VOLTAGE: 9 ... 30 V DC OR 24 V AC HEATING: 24

	V AC/DC MAX.20 W AMBIENT TEMP.: -40 ... +70°C CONNECTION CABLE: 12 METERS, UV-RESISTANT WEIGHT: 0.75 KG
1.0610.10.900 Hygrograph	
4.3324.32.000	
4.3150.00.110 Obsolete, Replacement 4.3151.00.110	
4.3820.30	
4.3128.00.000	WIND DIRECTION SENSOR - COMPACT OUTPUT 2-4 BIT PARALLEL MEASURING RANGE: 0 ... 360 ° OUTPUT: 2 ... 4 BIT PARALLEL HEATING: 24 V AC / DC MAX. 20 W. INLET: LIYCY 8 x 0.25 mm ² , LENGTH 5 m CUSTOMS TARIFF NO .: 90158020 COUNTRY OF ORIGIN: FEDERAL REPUBLIC OF GERMANY
4.3244.00.000	
1.0660.00.000	
4.3250.00.000	
4.3251.00.001	
4.3336.32.000+201934+0.3336.31.901	
212576 (optional))	m CABLE 8x0.5mm ² LIYCY BLACK UV RESISTANT, OUTSIDE Ø 7.6 +-0.20
1.0610.12.000 Hygrograph	
3.1157.10.041	
9.1700.98.200	
4 3150 10 212	
1.0665.00.011 Hygro-Thermograph	
Ab1505710 Ultrasonic Wind Sensor	
1.0450.00.010 Schleuder-Psychrometer	
4.3351.00.000 Transmitter	
201924	
9.3388.00.000	
4.3303.22.661	
4.3329.00.000	
4.3151.10.110	
4.3519.05.641	

4 3520 00 000	
1.1025.55.000	WEATHER AND RADIATION PROTECTION COMPACT DIMENSIONS: 120mm DIAMETER TOTAL LENGTH: 275mm BRACKET: FOR 30-50 mm MAST PIPE INSTALLATION WEIGHT: 0.80kg CUSTOMS TARIFF NO.: 90159000
1.1005.54.241	
4.3351.10.000 Class 0,5;Mb.: 0,3-75,0 M/S,	
501492	
2.1280.00.141	
7.1414.60.000	
1.0680.10.014 Obsolete/ Replaced By 1.0665.00.014	
S0775x	
3.1157.10.000	
4.3151.00.400	
4.3351.00.000 Anemometer Topf-First Class Advanced Beheizbar4.3351.00.000	
4.3151.00.001	
4.3181.03.116.	
4.3151.10.400	
1.1005.54.000 Hygro-Thermogeber - Compact	
5.4103.10.000	PRECIPITATION MONITOR DEVICE SERVES AS A SIGNAL DETERMINATION OF THE START AND END OF PRECIPITATION, AS WELL AS CONTROL OF e.g. MEASURING OR SAFETY DEVICES. MEASURING SYSTEM: SENSOR AREA WITH IR LIGHT BARRIER SYSTEM MEASUREMENT: PRECIPITATION YES/NO OUTPUT: CHANGE SWITCH CONTACT LOAD. : 230V AC / 4A SWITCH-ON CONDITION: 1 ... 15 EVENTS (ADJUSTABLE) IN 50 SECONDS (FACTORY SETTING: 12 EVENTS/25 sec) TURN OFF: 25 ... 375 SEC. ADJUSTABLE OPERATING VOLTAGE: 24 V AC/DC; APPROX.1.0A CONNECTION: CLAMPS PROTECTION TYPE: IP 65 WEIGHT: 0.4KG
4 351 900 141	
9.3199.01.100	
4.9200.00.000	
1 1005 64 000	

509311
1.1005.54.903
1.1005.54.241+1.1025.55.100
1 0665 02 014
7.1415.08.000
6.1432.10.041
Wsc11
1.1000.50.015 Hygro-Transmitter 200 Ohm Linear lemo-Plug
3 1157 10 141
1.0665.00.011 (205092 Write Strip 620/640/7/H 205092 1 20 Mb: -10 ... +50 ; C 0.0 To 100% Rh 1 Set =
0.3324.32.901
4.3150.00.001
4.3181.30.116
4.3129.80.773
4.3182.03.116
4.3303.22.041 Windgeschwindigkeitssensor
1 1025 55 000
1.0665.00.011 (205092 Write Strip 620/640/7/H 205092 1 20 Mb: -10 ... +50 ° C 0.0 To 100
4.3250.01.000
4.3336.32.001
2.1280.00.161
1.0610.12.900 Hygrogaph
1.0665.02.014
4.3351.00.141
4.3351.00.000
4.3351.00.000 Ses1-Ses3 Topf- Anemometer First Class Advanced Beheizbar 4.3351.00.000

1.0615.12.900 Hygrograph
507751
1.0660.00.000 Hygro-Thermograph
1.1005.54.161 Hygro-Thermogeber - Compact
1.0610.10.000 Hygrograph
4.3223.10.000 , 4.3251.00.000
4330322641
506614
1.0452.10.000 Ger¼tekofter
1.0509.85.006 Wind Protection
4.3324.32.641
2 1280 00 141
4.3303.22.641
7.1415.05.041
4.3150.10.212
1.1005.64.000
9.1700.98.000
1.0665.00.014
4 3351 00 141
4.3350.00.000
4.3151.00.110
1.0614.10.000 Hygrograph
4.3151.00.141 Transmitter
4.3519.00.701
1 1005 54 241
4 3303 22 641
1 0660 00 000
4.3251.00.000
9.3293.00.000
509427

Compact Pt1000
4.3824.34.319
9.1700.98.100
500647
1.0615.12.000 Hygrograph
1.1000.50.515 Hygro-Transmitter
5.4110.00.000
0.3350.00.901
4.3129.53.141
4.3519.53.141
1.0400.00.010 Aspirations-Psychrometer Model Assmann
4.3251.01.000