

TECHNICAL DATA SHEET - DILOVAS SYSTEM COMBINED BAS, EMS, VTMS

METEOROLOGLY SENSOR	VESSEL TRAFFIC MONITORING SYSTEM
Ultrasonic compact meteorology sensor built in safe area. High location needed for steady measurement. Standard data are:	A.I.S. (receiver only) antenna in safe area embedded to Dilovas software. Range 30 +/-10 nautical miles acc. to geography.
Wind speed&direction, Barometric pressure, Air temperature	E.T.A. information available on screen or mobile gadget.
Optional: Precipitation, Solar radiation, Humidity %, Lightning %, Dew Point	All vessel traffic is monitored, recorded and can be replayed.
	Auto start of lasers and auto registration of the vessel.
VISUALISATION TABLET	All data, alarms and animation on the go.
Atex Zone1/Zone2/Safe Area Rugged tablet IP65 to IP68 options	Hands free use is possible with harness.
Android or Windows10 based app. with wi-fi or internet conn.	JUNCTION BOXES (standard)
JUNCTION BOXES (optional)	Gas II2G Ex d IIB+H2 T6 ÷ T4 Dust II2D Ex tD A21 T80°C ÷ T130°C
II2G Ex e II / II2D Ex tD A21 IP66 acc. To EN60529 Material v. 1.4301 (AISI 304)	Zone 1/Zone 21 Zone 2/Zone 22 Light-alloy cover&body IP65 Safe Area JB's are all 1.4301 (AISI 304) and IP65 or better
CERTIFICATION & DOCUMENTATION	SYSTEM INSPECTION
Material Certificates: Yes Factory Acceptance Test : Yes ATEX Classification: TBD Calibration Test : Yes Drawings: GA Drawings, Block diagram, Wiring diagram	Final Visual Inspection. FAT on system functionality incl. speed and angle calibration check on lasers. 3rd party insp. on request.
OEM's test certifications to be included in to QA&QC folder	PAINT SPECIFICATION (Where applicable on Carbon Steel)
I.O.M. is provided in English/Turkish language.	C5 M - very high corrosivity according to ISO 12944
3rd party approval is made on request.	Marine paint (125+60 µm DFT) on Stain Steel made on request.
CABLE SPECIFICATION	CABLE SPECIFICATION
Power Cable: 3 x 2,5 mm ² , 0,6/1 kV armored, EN 60228 CLASS 2	Fiber Optic: 8 Core SM 9/125 IEC 60794-1-2
Data Cable: 3x2x1 mm ² armored RS-485 EN 60228 CLASS 2	Cat6 Data Cable: 4 x 2 x 0,555 mm ² EN 50290-2,
Other Notes/Requirements. If insufficient space use DATA SHEET - SUPPLEMENTARY INFORMATION	

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Where SS304 and Carbon Steel surfaces come together, it is always insulated with 2 mm thick EPDM rubber. All packing on ISPM 15 wooden euro crates for road, sea and air freight. Custom markings upon request.

Rev	Sales to Contracts	Contracts to Engineering	Details of Revision
	Date	Date	
Orig		Jan. 2017	Original Issue
Rev1	April 2017	By M. Tabanli	
Rev2	Aug 2017		