

FTP2 HIGH PERFORMANCE 6-DOF IMU PLATFORM



*For vibrations / shocks active monitoring
Designed for harsh applications with effective design.
Implementing CANbus digital output.*



FTP2 6-DoF IMU delivers accurate and reliable dynamic data, such as acceleration and angular speed in all directions.



KEY VALUES



Shock proof



6-axis DoF

CAN

CAN open
Digital Out



IP 68 and IP69K
protection class



Wide temperature
range

Description	P/N
FTP2	1108700

Default Parameters:

ID node NO. 1: 0X1F

Baud rate 125kbps



APPLICATIONS



Material Handling
and Lifting Technology



Agricultural Machinery



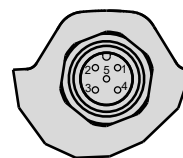
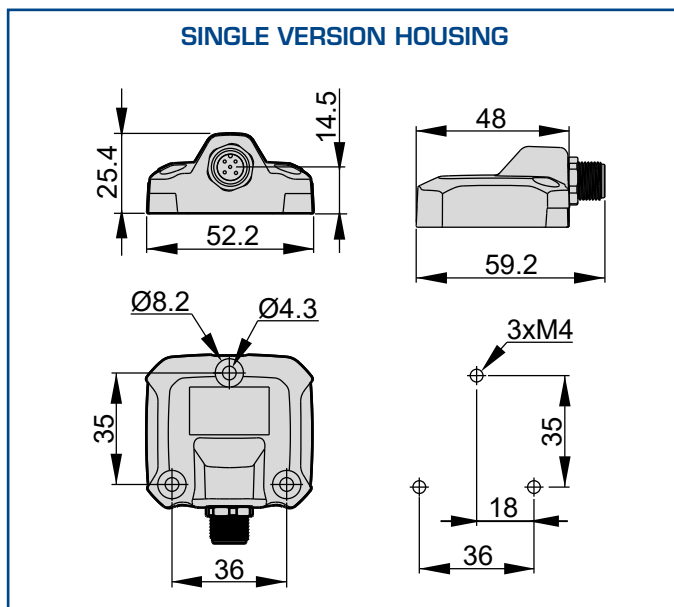
Construction Equipment

TECHNICAL DATA

Measurement Range	up to $\pm 16g$ and $\pm 2000^\circ/s$
Supply voltage	+9...+36Vdc
Output signal	CANopen
Resolution	Up to: 0,1mg and 4mdps
Working temperature	-40°C ... +85°C
Sensitivity Tolerance	$\pm 1\%$ tip
Vibrations	20g between 10 Hz ... 2000 Hz IEC 60068-2-6
Shock	Pulse on 3 axes; 50g 11 ms IEC 60068-2-27
Electromagnetic compatibility	2014/30/EU Electromagnetic Compatibility (EMC)
Protections and immunity	Protected against reverse polarity and short circuit
IP Protection Level	IP66, IP68 and IP69K
Housing body	Black anodized aluminum

All performance data are values resulting from qualification tests on specific configuration sample production batch.
Final product configuration, actual application and respect of installation recommendation may impact on some performance data.
Where not differently indicated, data refer to Tamb condition test environment.

DIMENSIONS



CONNECTOR

N PIN	CANbus
1	CAN-S
2	+VIN
3	GND
4	CAN-H
5	CAN-L

ORDERING KEY

FAMILY	SUBFAMILY	CASE MATERIAL	CONNECTOR	CHANNEL 1 RANGE (±)	CHANNEL 2 RANGE (±)	SUPPLY VOLTAGE	OUTPUT TYPE	SPECIAL FEATURE CUSTOM SOFTWARE	MANUAL ZERO HALL PEN	FACTORY LINEARITY TABLE	ACCESSORIES MAGNET TYPE	PROJECT REVISION
INERTIAL UNIT	2 Standard 6 DoF	A Aluminium	5M single M12 5P wall mounted	0STD max 16g and 2000°/sec	0NOT Single channel FTP2	H 12-24Vdc nominal	053 CANopen custom (COBO FTP)	000 Standard	0 not available (standard)	0 not supplied (standard)	000 not present	2

EXAMPLE OF RESULTING ORDERING CODE

FTP2.A.5M.0STD.0NOT.H.053.000.0.0.000.2

Further possibilities available, some options are mutually exclusive, please contact our team for more details.