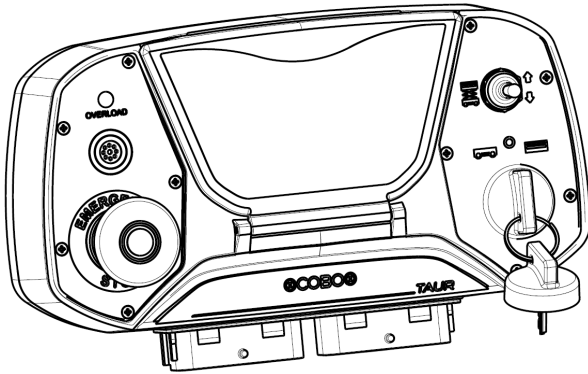
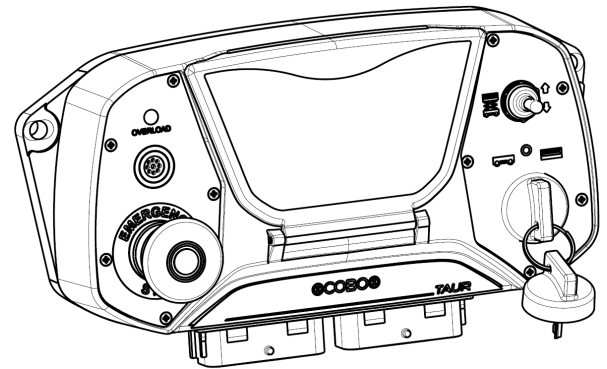


TAUR

Models



Rear fixing



Front fixing

Variant	Type of fixing
TAUR-S1	Rear
TAUR-S2	Front

Intended uses

The device is designed for application on:

- Aerial Working Platforms

Technical data

Control system		
Microprocessor		Freescale 16bit, 40MHz (1 ^{to} CPU)
		Freescale 16bit (2 ^{to} CPU)
		Freescale 16bit (3 ^{to} CPU)
Internal Flash memory		1MB (1 ^{to} CPU)
		256kB (2 ^{to} CPU)
		18kB (3 ^{to} CPU)
SPI Flash Memory		2Mbit
RAM memory		64kB (1 ^{to} CPU)
		12kB (2 ^{to} CPU)
		4kB (3 ^{to} CPU)
E2PROM memory		4kB (1 ^{to} CPU)
		8kB (2 ^{to} CPU)
		1.5kB (3 ^{to} CPU)
Electrical characteristics		
Operating voltage		+9V..+30VDC at steady state (suitable for direct connection to machine battery)
Power supply current		32A @ Tenv = +80°C max, at full load
Cold cranking		5.5V, non resting according to ISO 7637-2 standard
Idle current consumption		80mA @24V
		145mA @12V
Other Features	n. 1	Real time clock with 240x8 bit RAM

Interfaces		
CAN bus line		CAN bus, 2.0B high speed, (11 or 29 bit identifier), ISO 11898-2 standard compliant, speed up to 1Mbit/s, CAN-OPEN compatible
Display		
Type		Black and white LCD module + touch screen
Resolution		176x80 Dots
Active area (WxH)		74.14x31.98mm
Recommended viewing direction		9 o'clock
Brightness		500cd/m ² typ.
Warning lights and indicators		
Overload LED	n. 1	Red LED for overload indication
Sensors		
Accelerometer	n. 1	3 axis accelerometer Functionality: 0.1° resolution - ±0.2° accuracy - 0.01°/°C thermal drift
Other Features		
Integrated buzzer	n. 1	Intensity: max 85dB
Toggle switch	n. 1	MOM-OFF-MOM function
Key selector switch	n. 1	The key is only removable in the central position
Emergency push button	n. 1	Push/pull
Mechanical and environmental characteristics		
Storage temperature		-40°C..+85°C (-40°F..+185°F)
Operating temperature		-20°C..+70°C (-4°F..+158°F)
Protection grade		IP65
Weight		2.37Kg
Dimensions (WxHxD)	265x152.3x91.6mm	Front fixing
	257.6x152.3x91.6mm	Rear fixing
Information about materials		
Housing		PA6 GF30
Display cover		PC

Regulations

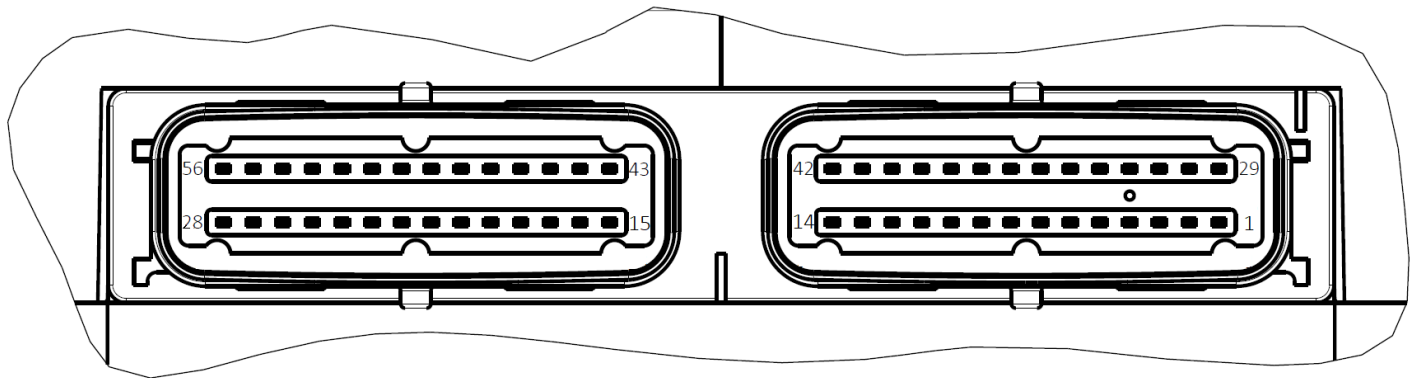
Markings

E marking	
Regulation	Description
UN/ECE-R10 Rev. 6	Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility
CE marking	
Regulation	Description
2006/42/CE	Machinery Directive

Standard

EMC standard	
Regulation	Description
ISO 13766-1:2018	Earth-moving and building construction machinery Electromagnetic compatibility (EMC) of machines with internal electrical power supply Part 1: General EMC requirements under typical electromagnetic environmental conditions

Connector and pinout



Male 56 pin automotive connector F135200.

Counterpart:

- Connector counterpart PPI0001258
- Locking cam 211A567007
- Cover 211A560008
- 56 pins for 0.75mm section cables F180100

Pin	Name	Signal description	Type
1	OUT00	4A Output with feedback (ON/OFF - PWM)	E
2	OUT01	4A Output with feedback (ON/OFF - PWM)	E
3	+KEY	Battery positive power supply	B
4	OUT02	4A Output with feedback (ON/OFF - PWM)	E
5	OUT03	4A Output with feedback (ON/OFF - PWM)	E
6	INP04	Digital input (Hide-side ON/OFF 30V Max) / RPM input	H
7	INP06	Digital Input (Hide-side ON/OFF 30V Max)	H
8	OUT04	4A Output with feedback (ON/OFF - PWM)	E
9	OUT05	4A Output with feedback (ON/OFF - PWM)	E
10	-VB	Battery negative power supply	C

Pin	Name	Signal description	Type
11	OUT06	4A Output with feedback (ON/OFF - PWM)	E
12	CANL	CAN BUS Low	F
13	OUT07	4A Output with feedback (ON/OFF - PWM)	E
14	+VPA	Power supply for outputs OUT00 to OUT07	D
15	+VPB	Power supply for outputs OUT08 to OUT10 + TMRELAY + BRAKES	D
16	+VP_WDOB	Safety output from WDO internal relay	D
17	OUT08	4A Output with diagnostic feedback (ON/OFF - PWM)	E
18	OUT09	4A Output with diagnostic feedback (ON/OFF - PWM)	E
19	IN_RELAY	Safety Digital Input (Hide-Side ON/OFF 30V Max)	H
20	IN_BRAKE	Safety Digital Input (Hide-Side ON/OFF 30V Max)	H
21	OUT10	4A Output with diagnostic feedback (ON/OFF - PWM)	E
22	O_TMRELAY	4A Output with diagnostic feedback (ON/OFF - PWM)	E
23	IN_ENG1	Safety Analogue Input (0.7 .. 7V) reserved for communication with the TM engine	K
24	IN_ENG2	Safety Analogue Input (0.7 .. 7V) reserved for communication with the TM engine	K
25	O_BRAKE1	4A Output with diagnostic feedback (ON/OFF - PWM)	E
26	O_BRAKE2	4A Output with diagnostic feedback (ON/OFF - PWM)	E
27	+ECU	Positive logic power supply of the ECU	A
28	-VB	Battery negative power supply	C
29	INP00	Digital Input (Hide-Side ON/OFF 30V Max) / RPM Input	H
30	INP01	Digital input (Hide-Side ON/OFF 30V Max) / RPM input	H
31	+KEY	Battery positive power supply	B
32	INP02	Digital input (Hide-Side ON/OFF 30V Max) / RPM input	H
33	INP03	Digital input (Hide-Side ON/OFF 30V Max) / RPM input	H
34	INP05	Digital Input (Hide-Side ON/OFF 30V Max) / RPM Input	H
35	INP07	Digital Input (Hide-Side ON/OFF 30V Max)	H
36	INP08	Digital Input (Hide-side ON/OFF 30V Max)	H
37	INP09	Digital Input (Hide-side ON/OFF 30V Max)	H
38	CAN_T1	CAN termination resistor (jump to pin39 to use CAN resistor)	F
39	CAN_T2	CAN termination resistor (jump to pin38 to use CAN resistor)	F
40	CANH	CAN bus High	F
41	+VPA	Power supply for outputs OUT00 to OUT07	D
42	+VPA	Power supply for outputs OUT00 to OUT07	D
43	+VPB	Power supply for outputs OUT08 to OUT10 + TMRELAY + BRAKES	D
44	+VPB	Power supply for outputs OUT08 to OUT10 + TMRELAY + BRAKES	D
45	INP10	Safety Analogue Input (0..5.5V)	G
46	INP11	Safety Analogue Input (0..5.5V)	G
47	INP12	Safety Analogue Input (0..5.5V)	G
48	INP13	Safety Analogue Input (0..5.5V)	G
49	INP14	Safety Analogue current Input (0..20mA)	I
50	INP15	Safety Analogue current Input (0..20mA)	I
51	INP16	Analogue input (0..30V)	J
52	+PCU	Positive power supply to the PCU	L
53	+PCU	Positive power supply to the PCU	L
54	-VB	Battery negative power supply	C
55	-VB	Battery negative power supply	C
56	-VB	Battery negative power supply	C



The "Type" column contains information about pin configurability, which is not the subject of this document.
For further information, please refer to the "Use, installation and maintenance manual".

Installation

Screw fixing.



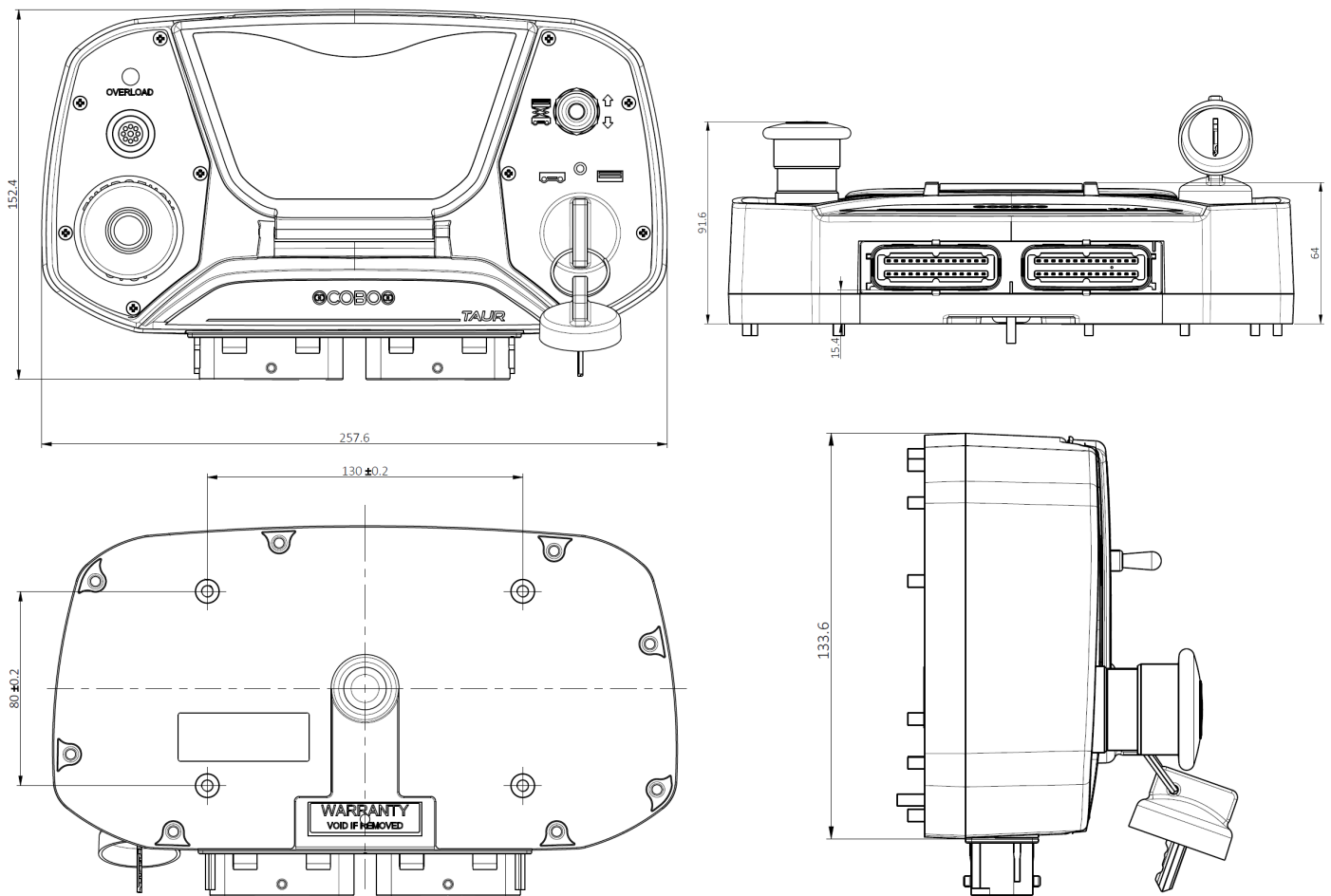
For installation procedure see the document "TAUR-ENG-MUI".

Technical drawings

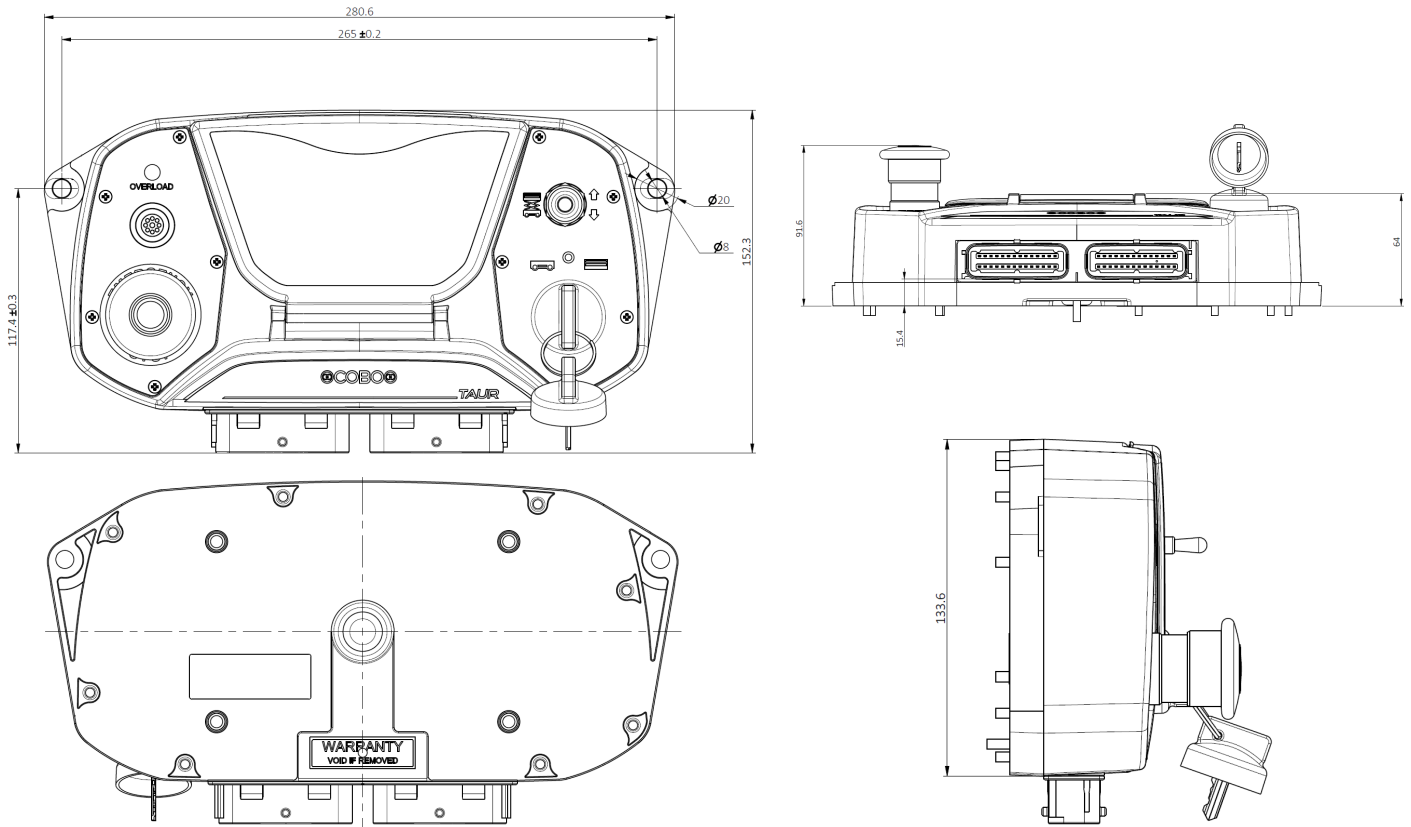


The standard units of measurement in drawings are mm for linear dimensions and degrees for angles.

Rear fixing



Front fixing



Customisation

Freely programmable software on demand in C or with VT3 (IEC61131).

It is possible to customise:

- Type of key
- Type of lever
- Stickers on front and side panels (see image)

