


XS- CASE Datasheet



Reference	GUL-0031
External dimensions (mm)	(L)360 x (H)305 x (W)195
E-Cube 35 A	x 5
Weight (Kgs)	4,5 kgs
Included	<ul style="list-style-type: none"> • 1 Power supply 230VAC-24VDC 10W • 1 Power supply jack 5.5 / 2.1 • 1 E-Access ZBRN4 • 1 E-Log (SIM card is included) • 1 antenna for E-Log • 1 antenna for E-Access
Others specifications	<ul style="list-style-type: none"> • 230 VAC power source +/- 10% • Power consumption: E-Access: 3.3W, E-Log: 3W • Radio interfacer protocol IEEE 802 15 2.4 GHz • GPRS (900 / 1800MHz antenna) • 30m range • Operating temperature range: -5 °C / 45 °C • Storage temperature range: -5 °C / 55 °C • The materials are non-flammable as the suitcase can be stored in an electrical cabinet. • The E-Case is shockproof with precut foam. • It is certified according to the following civil and military standards: <i>A1 (2000), DS 81-41 (Part 3) with severity level Nato 1 & 2 nd Military STANAG 4280 (ed.2) dated 1999-02-08."</i>
ECUBE technical features	E-Cube 35A
Measure range	0,5 A to 35 A
Current Accuracy +/-	+/- 2% FSD (Full Scale Deflection)
Power estimation range @ 230V	115 W to 8050 W
Power estimation range @ 110V	55 W to 3050 W
Energy estimation unit	kWh
Measurement frequencies	50 Hz & 60Hz
Environment	Indoor
Protection (IP)	IP40
Calibration	Not required
Temperature range	-20 °C to +60°C
Storage temperature	-30°C +90°C
Operating temperature	-20°C +60°C
Temperature accuracy	+/- 5 % FSD
Radio Protocol	IEEE 802 15
Radio frequency	2.4 GHz
Radio Power	+ 5 dBm
radio transmission rate	0.5A => 22s
radio transmission rate	35A => 0.3s
Test result ambient temperature	
Start Ambient temperature	0,21A
Max error FSD**	0.5A to 5A
Ambient temperature	[-1,2%: 2,4%] [-0,06A: 0,12A]
Ambient temperature	0.5A to 5A
	0,05A
Test result on whole temperature range (-20°C to 70°C)	
Start Ambient temperature	0,36A
Max error FSD	0.5A to 5A
	[-4,5%: 9,1%] [- 0,23A: 0,46A]
RMSE	0.5A to 5A
	0,26A
Test result on extreme temperature	

Start -20°C	0,36A
	0.5A to 5A
Max error FSD	[-2%:9,1%] [-0,1A:0,46A]
RMSE	0.5A to 5A 0,26A
Start 70°C	0,2A
	0.5A to 5A
Max error FSD	[-4,5%: -1,8%] [-0,23A:-0,09A]
RMSE	0.5A to 5A 0,17A
Board dimension	50 x 25 mm
Sensor material	PC cristal LEXAN 925 (UL N°E45 329)
Sensor dimension	61mm x 35mm x 35mm
Wire lenght	90 mm
Split Core mechanical parameter	
Case	PC / UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Conctruction	Tie
Operating temperature	-25°C ~ +75°C
Operating humidity	< 85%
Split core dimensions	40 x 30 x 27 mm
Split core diameter	10 mm
<p>**FSD: Full Scale Deflection calculates the error on the full scale of measurement of the product. It is expressed as a percentage of the range of measurement. The tab takes the max error observed on the set of sensors tested.</p>	
<p>***RMSE: Root Mean Square Error. RMSE calculation is made with an interpolation (cubic spine interpolation) of the curves with a 0.5A step.</p>	
<p>FOR MORE INFORMATION CONTACT US ON CONTACT@GULPLUS.COM</p>	
	
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