

DTS256(QBM31) Series Electronic Meter

1 Overview

DTS256
(QBM31-1)



DTS256(QBM31-1)

1. Unidirectional measurement configurable
2. Energy Measurement Function: Measure active energy
3. LED impulse output for calibration
4. Data reserved over 100 years under power off. Adopts anti-magnetic anti-reverse register

DTS256(QBM31-2)

1. Unidirectional or Bi-directional measurement configurable
2. Three phase active energy measurement, absolute measurement for reverse energy
3. LED impulse output for calibration
4. Data reserved over 100 years under power off
5. Display readable without main pow(RWP)
6. LCD backlights to increase readability in low light conditions
7. New circuit design, with anti-electromagnetic interference ability, excellent error characteristics and excellent EMC performance

DTS256
(QBM31-2)



2 Product parameters

Specification		DTS256(QBM311)	DTS256(QBM31-2)
Standards		IEC 62052-11:2003 IEC 62053-23:2003	IEC 62053-21:2003 IEC 62056-21
Accuracy	Active	1.0	1.0
	Reactive	/	2.0
voltage	Rated	3×57.7/100V~3×240/415V	3×57.7/100V~3×240/415V
	Range	0.8Un~1.2Un	0.8Un~1.2Un
	Limit	1.7Un-1.3 Un	1.7Un-1.3 Un
Frequency		50Hz/60Hz	50Hz/60Hz
Current	Range	1.5(6)A, 5(30)A, 5(60)A, 10(100)A	1.5(6)A, 5(30)A, 5(60)A, 10(100)A
Starting Current		≤0.4%Ib	≤0.4%Ib
Constant	Active	3200, 1600, 800, 400imp /KWh	3200, 1600, 800, 400imp /KWh
	Reactive	/	3200, 1600, 800, 400imp /Kvarh
Display	Type	LCD	LCD
	Digit	6+2	6+2
Power Loss	Voltage Circuit	≤0.5W,7VA	≤0.5W,7VA
	Current Circuit	≤0.5VA	≤0.5VA
Communication	Interface	IR, RS485	Optical, RS485
Temperature Condition	Work Temperature	-25°C~+55°C	-25°C~+55°C
	Storage Temperature	-35°C~+70°C	-35°C~+70°C
Humidity		≤85°C	≤85°C
IP grade		IP54	IP54
Dimension		203×110×60mm	203×110×60mm
Weight	Net / Gross	0.6kg/0.75kg	0.6kg/0.75kg

DTS256(QBM32) Series Electronic Meter

1 Overview

DTS256
(QBM32-1)



DTS256(QBM32-1)

1. Unidirectional or Bi-directional measurement configurable
2. Three phase active energy measurement, absolute measurement for reverse energy
3. LED impulse output for calibration
4. Data reserved over 100 years under power off
5. Display readable without main pow(RWP)
6. LCD backlights to increase readability in low light conditions
7. Support infrared and RS485, RF(optional)

DTS256(QBM32-2)

1. Energy Measurement Function: Measure forward/ reversal, active/ reactive energy
2. Instantaneous Parameters Measurement Function: measure instant active/ reactive total power. phase voltage/ current/ power factor, frequency
3. LED impulse output for calibration
4. Data reserved over 100 years under power off
5. Display readable without main pow(RWP)
6. LCD backlights to increase readability in low light conditions
7. Support infrared and RS485,RF(optional)
8. For details, please refer to User Manual

DTS256
(QBM32-2)



2 Technical parameters

Specification		DTS256(QBM32-1)	DTS256(QBM32-2)
Standards		IEC 62052-11:2003	IEC 62053-21:2003 IEC 62053-23:2003
Accuracy	Active	1.0	1.0
Voltage	Reactive	/	2.0
	Rated	3×57.7/100V~3×240/415V	3×57.7/100V~3×240/415V
	Range	0.8Un~1.2Un	0.8Un~1.2Un
	Limit	1.7Un-1.3 Un	1.7Un-1.3 Un
Frequency		50Hz/60Hz	50Hz/60Hz
Current	Range	1.5(6)A, 5(30)A, 5(60)A, 10(100)A	1.5(6)A, 5(30)A, 5(60)A, 10(100)A
Starting Current		≤0.4%Ib	≤0.4%Ib
Constant	Active	3200, 1600, 800, 400imp /KWh	3200, 1600, 800, 400imp /KWh
	Reactive	/	3200, 1600, 800, 400imp /Kvarh
Display	Type	LCD	LCD
	Digit	6+2	6+2
Power Loss	Voltage Circuit	≤0.5W,7VA	≤0.5W,7VA
	Current Circuit	≤0.5VA	≤0.5VA
	Interface	IR, RS485, RF	IR, RS485, RF
Temperature Condition	Work Temperature	-25°C~+55°C	-25°C~+55°C
	Storage Temperature	-35°C~+70°C	-35°C~+70°C
Humidity		≤85°C	≤85°C
IP grade		IP54	IP54
		203×110×60mm	203×110×60mm
Weight	Net / Gross	0.6kg/0.75kg	0.6kg/0.75kg