



DDSF 1946

1 ϕ Kwhr Meter

DTS(F) 1946

3 ϕ Kwhr Meter

DUAL TARIFF

RS485/MODBUS RTU

Established in 1978, Fuji-Haya Electric Corp. of the Philippines has become the biggest manufacturer of electrical distribution and control equipment such as Panelboards, Switchgears, Meter Centers for the commercial building market.

In this span of over 4 decades, Fuji-Haya Electric has gained the trust of many customers through its highly reliable and durable equipment.

The Fuji-Haya Electric AION Energy Meters is another example of this reliability and durability and comes with built in Modbus connectivity and dual tariff capabilities and are Philippine ERC approved and listed.

The Fuji-Haya Electric Sfere 720C Power Monitor Meter performs measurement of various electrical characteristics that are essential to the safe and informed operation of Switchgears. The Fuji-Haya Electric Sfere 720C is also Philippine ERC approved and listed.

Complementing these meters are Fuji-Haya Electric AION Current Transformers manufactured in full compliance with IEC 61869-1, IEC 61869-2





DDSF 1946 1P2W



TECHNICAL SPECIFICATION

Model	DDSF 1946
Normal Voltage	230V
Frequency	45 Hz~65 Hz
Voltage Range	0.8Un~1.2Un
Start Current	Direct input 0.004Ib Via CT input 0.002In
Consumption	< 2VA
Energy Pulse	1 output, pulse width (80±20%) ms
Digital Input	Active digital input, input range 0~220VAC;> 150VAC closed, <70VAC open.
Accuracy	0.5S
Communication	RS485, Modbus-RTU, 2-wire, up to 9600bps
IP Degree	Front: IP51
Operating Temperature	-25 °C ~ 55 °C
Tariffs	Available
Relative Humidity	<93%



MAIN FEATURES

Measuring

- Direct measurement up to 100A
- Via CT 1.5(6)A

Communication

- Interface: RS485
- Protocol: Modbus-RTU

Energy Metering

- Bi-directional energy
- Tariff energy



APPLICATIONS



Energy Management



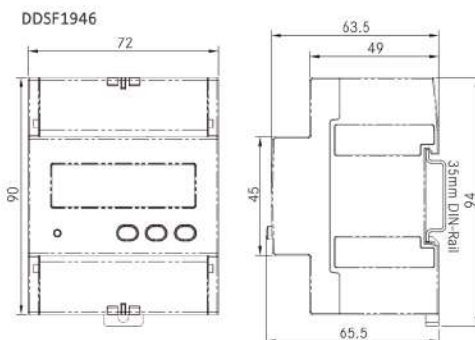
Sub-item Metering



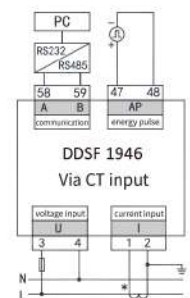
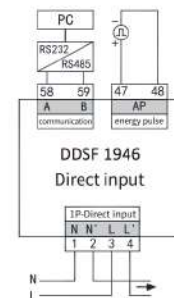
Power Monitoring



DIMENSIONS



TYPICAL WIRING





DTS(F) 1946 3P4W



TECHNICAL SPECIFICATION

Model	DTS(F)1946
Normal Voltage	3x230/400V
Frequency	45 Hz~65 Hz
Voltage Range	0.8Un~1.2Un
Start Current	Direct input 0.004Ib Via CT input 0.002In
Consumption	< 2VA
Energy Pulse	1 output, pulse width (80±20%) ms
Digital Input	Active digital input, input range 0~220VAC;> 150VAC closed, <70VAC open.
Accuracy	0.5S
Communication	RS485, Modbus-RTU, 2-wire, up to 9600bps
IP Degree	Front: IP51
Operating Temperature	-25 °C ~ 55 °C
Tariffs	Available
Relative Humidity	<93%



MAIN FEATURES

Measuring

- Direct measurement up to 100A
- Via CT 1.5(6)A

Communication

- Interface: RS485
- Protocol: Modbus-RTU

Energy Metering

- Bi-directional energy
- Tariff energy



APPLICATIONS



Energy Management



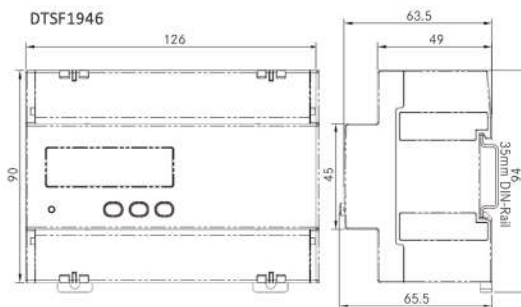
Sub-item Metering



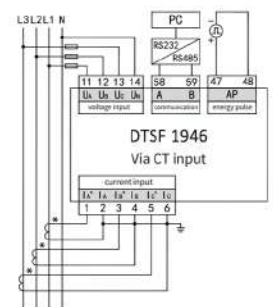
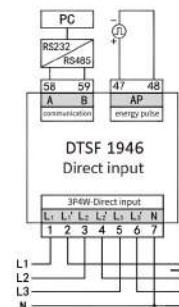
Power Monitoring



DIMENSIONS



TYPICAL WIRING





Republic of the Philippines
ENERGY REGULATORY COMMISSION
Pacific Center Bldg., San Miguel Avenue
Ortigas Center, Pasig City

CERTIFICATE OF APPROVAL

No. 0003-22

Validity: January 24, 2022 to January 23, 2027

Date of Approval: January 24, 2022


This is to certify that the following type of meter product has been granted by the Energy Regulatory Commission (ERC) full approval for use in revenue metering:

Type: **DTS(F) 1946**
3x1.5(6) A, 3x230/400 V, 50/60 Hz,
0.15625 kh, 4-Wire, Three Phase

Brand: **FUJI-HAYA ELECTRIC**

Issued to Applicant: **FUJI-HAYA ELECTRIC CORPORATION OF THE PHILIPPINES**
Silangan Industrial Park, Canlubang, Calamba City, Laguna, Philippines

Manufacturer: **Jiangsu Sfero Electric Co., Ltd.**
1 Dongding R. Jiangyin, Jiangsu, China


AGNES VST DEVANADERA
Chairperson and CEO



Specimen:
Meter Serial No. 2156252977
ERC Sticker No. 21P0260024





 Telephone : 8892 - 8886 / 8819-5380

 Plant Address : Silangan Industrial Park Road,
Canlubang, Calamba City
Philippines

Liaison Office : 2nd Floor Matrinco Building,
2178 Pasong Tamo St.,
Makati City 1201 Philippines

Cebu Office : 24A, Lattitude Corporate Center,
Mindanao Ave, CBP,
Cebu City

Website : _____

 www.fujihayaelectric.com

Contact us at : _____

 info@fujihayaelectric.com

 www.facebook.com/fujihayaelectriccorp