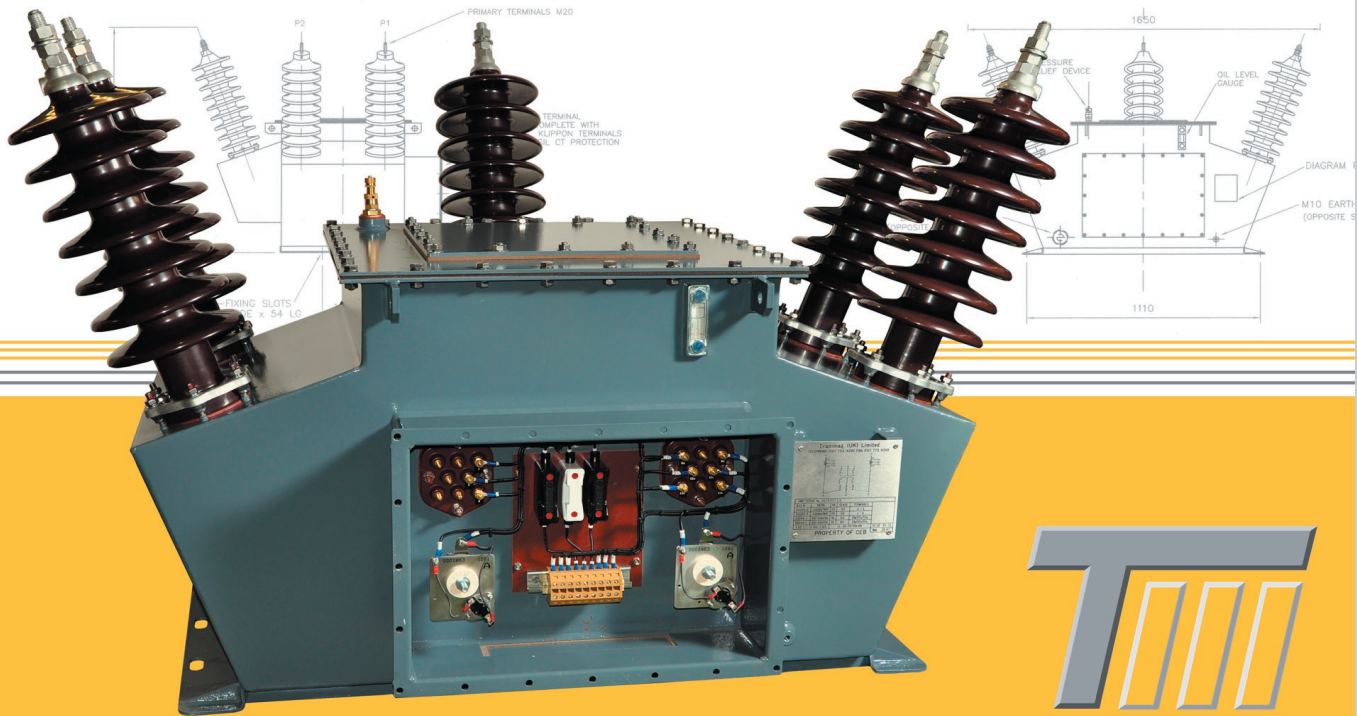




# Transmag (UK) Ltd 33KV (TMOMU 36)

Model No BW20101MP (C.T. Dynamic Peak 25 KA)



## Low Oil Volume Pole-Mounted Metering Units

Transmag Metering Units are manufactured in compliance with the requirements of BS EN 60044-1, 60044-2, 60044-3 enabling them to be used for metering, instrumentation and protection systems.

The current transformers are manufactured to BS EN 60044-1 and are of cast resin construction making them suitable for use in air and under oil. The secondary windings are constructed over insulated nickel iron or silicon iron cores, the secondary windings being insulated from the Primary bar in epoxy resin.

The voltage transformers are of epoxy cast resin construction making them suitable for both air and oil immersion at system voltages of 36KV. They are manufactured to meet the requirements of BS EN 60044-2. The voltage transformer connection arrangements can accommodate individual customer requirements up to the system voltage of 36KV.

The close fitting steel tank and cover are of a welded and bolted construction. The unit is sealed to prevent oil oxidation or ingress of moisture taking place. The gaskets used throughout are cork/neoprene which is highly resistant to deterioration. The whole unit is compact and requires a minimum of oil.

Instrument Transformers Solution & Technology

Transmag (UK) Limited, Units 2 & 3, St Andrews, Bayly Works,  
Great Barr Street, Birmingham, West Midlands, B9 4BB.

web: [www.transmaguk.co.uk](http://www.transmaguk.co.uk) | email: [enquiries@transmaguk.co.uk](mailto:enquiries@transmaguk.co.uk) | tel: +44(0)121 753 4390 | fax: +44(0)121 773 9369



The overall construction of our low oil, pole mounted metering units allows for dual rated current transformers to be fitted at ratios of up to 600/5A. The bushings on the tank are rated up to 630A at 36KV. As an option the metering unit can be fitted with an oil pressure relief valve the setting of which can be adjusted to suit local climatic conditions.

36KV 3.15A HV fuses are mounted under oil inside the tank and are easily accessible by removal of the inspection panel on the lid.

Further protection can be offered through the use of Metrosils to protect the current transformers and these are mounted within the secondary terminal box on the side of the tank. Inside this terminal box are the LV fuses along with DIN type terminal connections. For customer cable entry a removable gland plate is fitted to the underside of the secondary terminal box.

In order to ensure a high quality product giving customer satisfaction in service, the units are filled with new oil conforming to BS EN 60296:2004 and BS 148 Class 1.

Dielectric tests then reveal a low discharge which means that no deterioration of the insulation occurs due to internal ionisation thus ensuring a prolonged service life for the units.

# TMOMU 36

## Model No BW20101MP

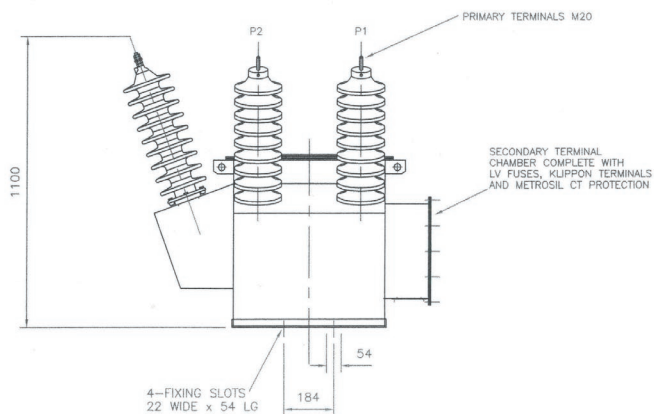
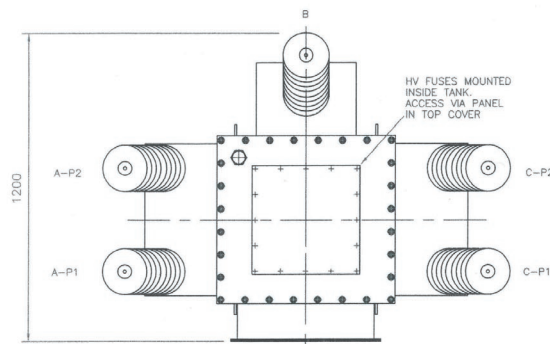
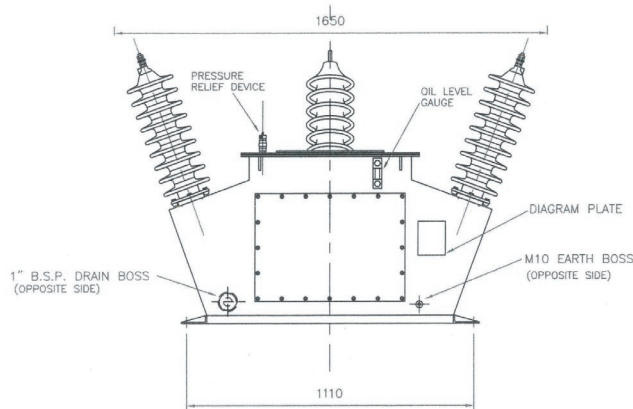
### PERFORMANCE SPECIFICATION

	VT	CT
<b>TYPE</b>	ONAN/3 LIMB	OIL IMMERSED
<b>RATIO</b>	33,000/110V	200-400/5A
<b>PHASES</b>	3	-
<b>RATED OUTPUT</b>	25VA per Phase	15 VA
<b>ACCURACY CLASS</b>	0.5	0.5
<b>FREQUENCY</b>	50HZ	50HZ
<b>CONNECTIONS</b>	Star/Star	-
<b>VOLTAGE FACTOR</b>	1.2 Continuous	N/A
<b>STC RATING</b>	N/A	13.1 for 1/Sec
<b>RATED VOLTAGE</b>	36KV	36KV
<b>WITHSTAND VOLTAGE</b>	70KV for 1 minute	70KV for 1 minute
<b>LIGHTNING IMPULSE</b>	170VKP	170 VKP
<b>STANDARDS</b>	BS60044-2	BS60044-1

### FITTINGS

- H.V Brown glazed porcelain bushings with open profile sheds – creepage 1116mm nominal, protected creepage distance – 290mm
- H.V. Primary Fuse – type OBGNA 3.15A 25MM Diameter
- L.V Terminal / Fusebox
- Rating & Diagram Plate
- Earthing Terminal
- Oil Level Gauge
- Oil Drain Plug
- Four Lifting Plugs
- First Filling of Oil

TYPE	System Voltage	W	B	H	Oil Volume	Total Weight
TMOMU 36	36KV	1650MM	1110MM	1100MM	200 Ltrs	680 Kgs



Transmag (UK) Limited, Units 2 & 3, St Andrews, Bayly Works,  
Great Barr Street, Birmingham, West Midlands, B9 4BB.

web: [www.transmaguk.co.uk](http://www.transmaguk.co.uk) | email: [enquiries@transmaguk.co.uk](mailto:enquiries@transmaguk.co.uk) | tel: +44(0)121 753 4390 | fax: +44(0)121 773 9369

