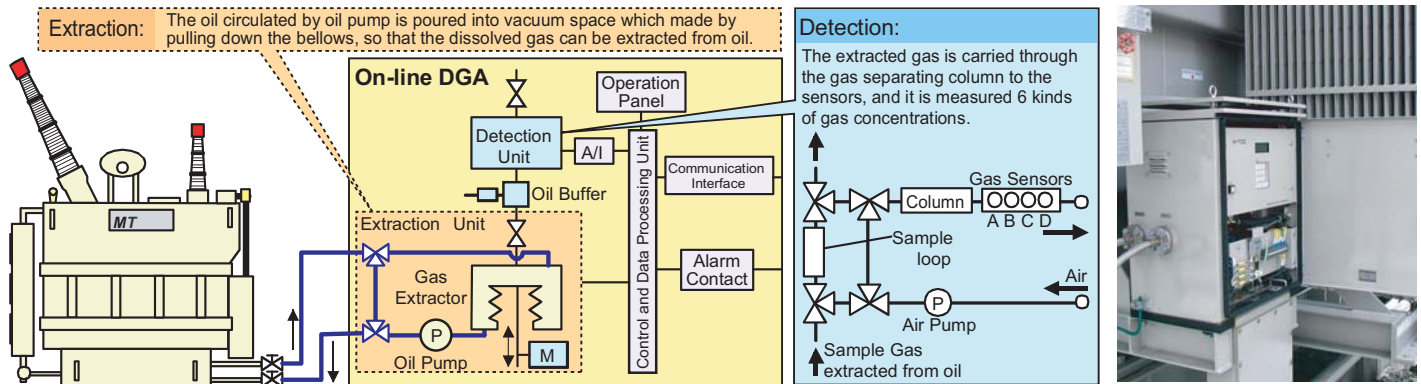


◆ Specification of On-line DGA

		Model : N-TCG	Model : N-TCG-6C
GENERAL	Dimensions and weight	500W X 360D X 630H(mm) Approx. 65(Kg)	500W X 360D X 630H(mm) Approx. 70(Kg)
	Power Requirements	AC Single phase 500VA max. Voltage: customer's specification	AC Single phase 500VA max. Voltage: customer's specification
	Operating Temperature	From -20 to 40 degrees C	From -20 to 40 degrees C
EXTRACTION UNIT	Oil Sampling Method	Automatic oil sampling by oil pump through the oil piping from transformer without losing of oil	Automatic oil sampling by oil pump through the oil piping from transformer without losing of oil
	Extraction method	Oil injection into vacuum space by oil pump and bellows	Oil injection into vacuum space by oil pump and bellows
	Extraction time	Approx. 30 minutes	Approx. 30 minutes
	Oil volume	Approx. 200ml(Capacity of extraction chamber)	Approx. 200ml (Capacity of extraction chamber)
DETECTION UNIT	Concentration range	TCG: 20 - 9999 ppm TCG (Total of CO, H ₂ , CH ₄ , C ₂ H ₂ , C ₂ H ₄ and C ₂ H ₆ gases)	TCG : 20 - 9999 ppm C ₂ H ₂ : 0.5 - 500 ppm C ₂ H ₄ : 10 - 2000 ppm CO, H ₂ , CH ₄ , C ₂ H ₆ : 20 - 2000 ppm
	Accuracy	20%	20%
	Gs separating column	Not used	Gas chromatography column
	Sensor type	Catalytic Combustion Gas Sensors	Four semiconductor with platinum filament sensors
	Measuring time	Approx. 5 minutes	Approx. 15 minutes
	Carrier gas	Atmospheric air	Atmospheric air
SAMPLING CONTROL UNIT	Sampling interval	Changeable settings by screen operation: 1hour to 99days	Changeable settings by screen operation: 1hour to 99days
	Operation panel	Backlight LCD:4 X 20 characters, Keyboard: 16 keys Stand-alone operation and measurement are available	Backlight LCD:4 X 20 characters, Keyboard: 16 keys Stand-alone operation and measurement are available
	Communication	RS232C port: Connected with local computer and remote computer by using telephone line via modem (optional modem) or optic fiber RS485C port: Connected with remote computer by using signal converter and twisted-pair cable	RS232C port: Connected with local computer and remote computer by using telephone line via modem (optional modem) or optic fiber RS485C port: Connected with remote computer by using signal converter and twisted-pair cable
	Analog output (Option)	4-20 mA /20-9999 ppm isolated signal transmitter Dielectric strength: 2000V AC 1 minute	Inapplicable
SOFTWARE	Data download software (Option)	Display of data record, trend graph and sensor output Auto downloading and data management (data base) Changeable settings for measurement and alarm level	Display of data record, trend graph and sensor output Auto downloading and data management (data base) Changeable settings for measurement and alarm level
ALARM	Alarm output	Changeable settings for caution/ alarm TCG level, trend Fault in apparatus by self checking	Changeable settings for caution/ alarm gas level, trend Fault in apparatus by self checking

◆ Principle of Analysis



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