

TECHNOVATION PORTABLE GAS ANALYSER MODEL HYD-TC



THE INSTRUMENT

The Technovation model HYD-TC is an easy to use, compact, durable & light - weight, binary mixture gas indicator. Usually it is calibrated to 0 - 100 % range of target gas, the sensor is provided in the instrument.

The digital readout may be calibrated to indicate 0-100% hydrogen in N2.

The gas indicator is powered by a special battery pack and is to be recharged when the low battery alarm comes on. two audible and visible alarms are provided. They can be set between 0 % and 100 % of the range of the instrument and are set to come on if gas is below the set point. The alarms are generally set at 85 % and 99 %. (Alarm set points are user settable)

Note: Introduction of a 3rd component in the binary gas mixture will cause a variation in the accuracy of the reading.

STANDARD SPECIFICATIONS

MODEL	: HYD-TC
GAS MEASURED	: HYDROGEN
PRINCIPAL	: THERMAL CONDUCTIVITY
MEASURING RANGE	: 0 - 100% H2 IN N2
RESOLUTION	: 0.1 %
CALIBRATION BY	: CERTIFIED GAS
REPEATABILITY	: ± 2% FSD
ACCURACY	: ± 5% FSD
SAMPLING	: BY DIFFUSION / FLOW THRU MODE
DISPLAY	: 3 1/2 LCD
ALARMS	: 2 ALARMS PROVIDED, AUDIO & VISUAL.
RH OF INSTRUMENT ENVIRONMENT	: < 90% NON-CONDENSING
POWER SOURCE	: RECHARGEABLE BATTERY PACK

STANDARD SPECIFICATION CONTINUED

HOUSING	: CAST ALUMINUM GRADE LM-6
ENCLOSURE SIZE	: (CASTING) 170 X 113 X 110 MM ± 5MM
SURFACE FINISH	: POWDER COATED
INST. WEIGHT	: < 3 KGS
CONTROLS	: POWER SWITCH, ZERO SET POT
INDICATORS	: AL 1, AL 2, & LO BATT
ACCESSORIES	: CALIBRATION SCREW DRIVER, BATTERY CHARGER, TUBING, FLOW THRU CAP & INSTRUCTION MANUAL
BATTERY CHARGER SUPPLY VOLTAGE	: INPUT 110 TO 220 VAC, 50-60 Hz, 1 PHASE, 0.5 AMP, OUTPUT 14.7 VDC ±0.5 V