



# Quantum QAR 3030 automatic filling unit



Level indicator and controller. Automatic control of liquid nitrogen, liquid argon & liquid oxygen levels.

- For reliable automatic control of cryogen levels: Cryostats, Cold Traps, Refrigerators, Dewars and Unpressurised vessels
- Factory adjustable low level & high level control points
- Factory adjustable low level and high level Alarms
- Six 'status' lights indicate action of controller.
- 4 discreet sensors
- Built in audible alarm and connection for remote alarm
- An electronic automatic level control unit fitted with four level PTFE sheathed leads which are positioned at different heights
- Controls cryogenic solenoid valve to maintain level of liquid high ' and ' low ' levels. Additional ' high alarm ' and ' low alarm liquid nitrogen runs out or an over fill situation arises
- Used to provide automatic control of liquid level in vessels storage.
- Wall mounted or also with compact remote head for vessel mounting.
- The QAR3030 system consists of three parts, four level sensor unit and a power supply.
- A Manual override facility for Fill and Stop Fill functions

## PRODUCT SPECIFICATIONS

Power requirements:	240/110V., 50Hz
Dimensions:	290x105x60 (w.h.d.)
Weight:	1.0 kg.
Indications and alarms	7 independent l.e.d.'s, Power on Amber Filling Green Normal Green High Alarm Red High level Yellow Low level Yellow Low alarm Red
4 discreet sensors	PTFE sheathed sleeves
Gauge head Weight:	0.5kg
Gauge Head Enclosure:	Weatherproof polycarbonate case
Gauge Head Dimensions:	90x82x65 (w.h.d.)
Interconnecting cable	Standard length 2 metres. Lengths up to 50 metres available.

Part Number	Details
QAR3030W:	Wall mounted Auto refill with 5m cable for unpressurised vessels
QAR3030V	Auto Refill with remote head with 5m cable unpressurised vessels
QARDMK	Desk mount kit
MSB100	Mains switching box