

AHM990DI Display Unit

- Suitable for any process input: typically 0–2V from read line
- Supply voltage 21 to 30Vdc
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

TECHNICAL SPECIFICATION

FUNCTION

Operating the push buttons (read or trip) on any card within The rack displays the relevant data on this common display module.

INPUT

DC current / voltage can be specified in the range of:
Current up to 100mA max (Passive)
Voltage 0.4 to 100V max
Typical input: 4 - 20mA (Passive)

For use as common display in our 19" Rack, the Input signal is from the internal read line and is typically 0-2V .

OUTPUT

Three and a half digit liquid crystal display,
Factory settable in the range of: -1999 to +1999,
Typically scaled 0-100.0%

CONTROLS

Zero / Span: 15 turn potentiometer to calibrate Display range.

INDICATOR

Amber Led: power ON indicator

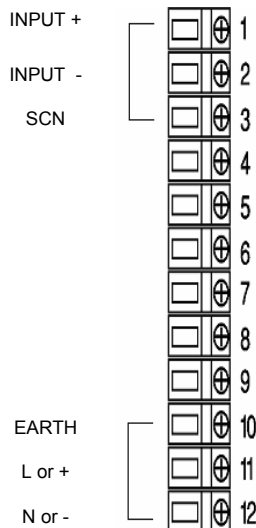
PERFORMANCE

Linearity: < $\pm 0.1\%$
Response time: Typically < 400ms
Accuracy: < $\pm 0.1\%$

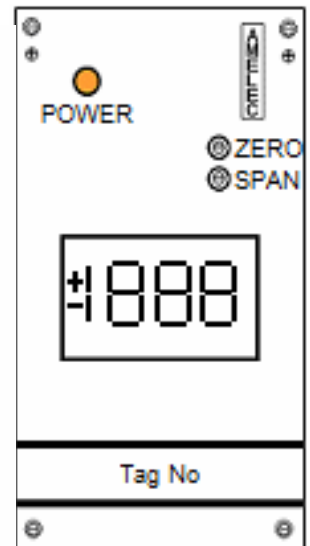
PROTECTION

Isolation 1000V RMS*. Input/Supply/Earth
*500VDC if RFI option (K) is specified.
Internal Fuse.
Input O/C fail downscale or upscale on request.
Input over range typically at 300%.

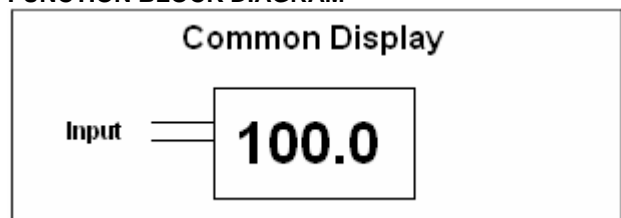
TERMINATION



FRONT VIEW



FUNCTION BLOCK DIAGRAM



ENVIRONMENTAL CONDITION

Storage temperature: - 40 to +70 °C
Operating Ambient: -15 to +55 °C
Relative Humidity: 5 to 95% RH

MOUNTING / DIMENSION

To the extreme right of the rack
Card 3U high 12HP wide
Mounting 19" rack / 84E wide (See rack GA for details)
Card weight < 200g

ADD ON / OPTIONS

J : Input injection jack socket
P: Test point
K: RFI protection to IEC61000-4-3
Non standard Power supply ranges available