HTM

SQRT SQUARE ROOT EXTRACTOR

INTRODUCTION

HTM SQRT Square root extractor is the state of the art instrument signal lineariser suitable for linearising exponential value of 4-20mA signal to one and hence suitable for use in linearising differential pressure flow device or open channel weir signals to linear relationship with flow.

PRINCIPLE OF OPERATION

HTM SQRT Square root extractor uses the latest semiconductor technology for the linearisation of exponential value of signals. The linearisation process is continuously adjustable by adjusting the Linearity potentiometer in the front cover.

FEATURES

Compact Enclosure

HTM SQRT square root extractor is housed in a compact DIN rail enclosure which occupy only a small space. The wiring terminals are easily accessed via the front without opening any cover of the unit.

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Low Cost

HTM SQRT square root extractor is a low cost and yet reliable signal lineariser.

Ease of calibration

HTM SQRT square root extractor can be calibrated easily by adjusting the Zero, Span and Linearity potentiometer located in front of the casing. This eliminates unnecessary works to dismantle the instrument from site during routing calibration works

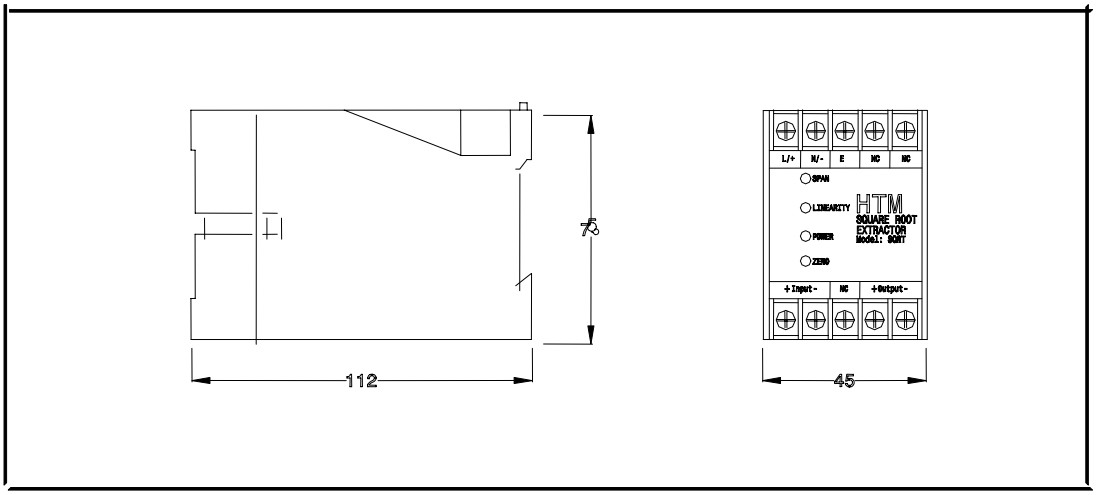
Indication

A red colour LED indicator is available on the front surface of the unit for the indication of power Supply status.

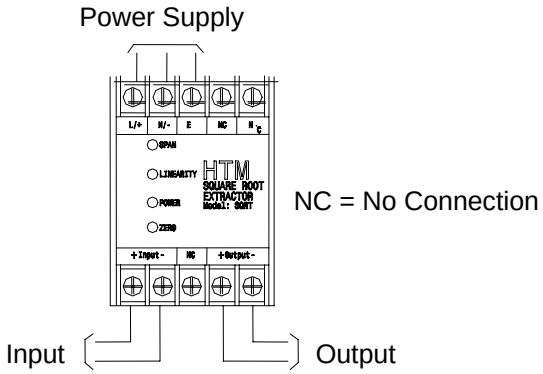
SPECIFICATIONS

Input : 4-20mA, other inputs as options
Output: 4-20mA
Input impedance : 51 Ohms
Accuracy : +/-0.1%FS
Power supply (+/-10%)
VDC: 12, 24, 48
VAC: 110, 115, 220, 230
Power/signal isolation : 1000Vdc
Casing: ABS shell
Polycarbonate Cover
Enclosure: IP10
Terminal size: 2.5mm^2 cable
Temperature: -10 to 60°C
Temperature effect : +/-0.3% max.
Mounting: DIN rail or panel mount

DIMENSIONS



WIRING DIAGRAM



All Dimensions in MM

Manufactured by :

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