

DS Multiranger Series 5 Digit Panel Tachometers DS48 & DS96 Series

Functions as a Ratemeter, Counter, Timer or a user scaleable DVM (with analogue input module fitted)

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Designed primarily for pulse related parameter measurement, such as speed monitoring, this versatile indicator includes additional features of 8 digit Count & Timer & a DVM option.

This series of Digital instruments are ideal for displaying both pulse related measurements and analogue DC voltage related parameters between 0-10Vdc.

The instruments incorporate a highly flexible user accessible scaling system which provides the user with the facility to calibrate the Multiranger to read almost any related engineering parameter.

Pulse Output feature -

Standard on all models
In addition the instrument is available with a variety of factory fitted modules.

Factory fitted module options

Analogue Input module -
This module converts the instrument into a very versatile 5 digit DVM instrument. Accepts a signal input of 0-10 vdc which can be digitally user scaled to display any related engineering value.

Analogue Output module -

This module provides a DC voltage or current output from a Pulse Input signal, ideal for data logging applications.

Available in three options, 0-10 vdc, 0-20mA or 4-20mA. This output is user scaleable through the Digital scaling feature.

RS232 Output module

This module provides a Serial output of the displayed value.

Trip Alarm modules -

A Built-in Dual Trip module is available, (with this option the case size is 96 x 96mm). The dual Trip modules can be set independently to rising or falling values.

Main features:

- Wide input pulse rate range - 3 - 99,999 per minute
- High accuracy and ease of reading
- 5 Digit LED display
- Input pulse Divider option(4 decode)
- Selectable display resolution - 4 options
- Low speed capability - 3 rpm to 0.001 res
- Sensors - a range of VLS series Optical Sensors available including Laser types

General Specification

Speed range	3 to 99,999 rpm
Resolution	Max 0.001
Accuracy	0.02% +/- 1 digit
Timebase	0.8 sec (0.1 sec output modules)
Count mode	up to 8 digit (autorange)
Time int. mode	0.00 - 99999 secs (reciprocal rate)
Time Acc.	0.00 - 99999 secs (total time of all counts)
Scaling	Between 0.001-99999 x or ÷
Signal input	Pulses from proximity, optical, magnetic sensors & Encoders
Input freq. max	12Khz
Power inputs	110/240AC or 7.5 -35vdc options



DS48



DS9610020

Order Codes	Description
DS4810000	110/240V AC
DS4820000	7.5 - 35 V DC