

## Speed/Angle of Rotation-Acquisition with Data Logger

**EMT-AS 80TG**

- 3 Trigger Inputs for External Control
- Bus-Compatible and addressable RS232
- Data Logger up to 2000 Meas. Values
- Display of Physical Unit
- 10 Parameter Sets



### DESCRIPTON:

The AS 80-TG can process speed in the range of 0.1 rpm up to 99999 rpm. Alternatively the AS 80-PA can be used for angle of rotation measurement.

The number of impulses is adjustable in preset steps. During the acquisition of the impulses a single, twofold or fourfold flank evaluation is possible.

A versatile configurable data logger stores a series of measurements with date as well as up to 2000 measured values.

Measured values or log values can be transferred to a PC by a RS232 interface.

10 parameter sets are available. There, in each case, the measurement procedure, speed or angle, a channel designation and the physical unit are being stored.

By 3 opto coupler-control inputs, functions such as data-logging, issue of interface, delete buffer, set display to zero can be activated.

In combination with the GM 80-TG and the GM 80-TG/-PA-VS evaluation software, a performance computation can be carried out with both devices.

### TECHNICAL DATA:

Type		AS 80-TG
Art. No.		109499
Supply (Plug-in power supply)		90...264 V AC
Output (Plug-in power supply)		18 V DC 1A
Supply Voltage AS 80-TG		16...30 V DC
Current Consumption		max. 250 mA (at 16 V)
Measuring Accuracy	v.E.%	0.1 ±1 Digit
Display Rate	/s	5
Display Scope		99999 +2 Digits for Unit
Parameter Sets		10
Operation Mode		Speed or Angle of Rotation
Number of Impulses		1, 2, 6, 30, 60, 90, 180, 360, 720, 1440, 3600
Impulse Level		TTL Level 5 V
Input Frequency	Hz	1...150000
Track Offset		90° ±20°
Tracks		Track A, Track A+B
Flank Evaluation		Single, double or quad
Logger Mode		Window, Graph. Manually, Auto
Buffer Values		max. 2000
Switching Current / Voltage Limit Values		400 mA/60 V
Circuit Time		max. 3 ms
Transmission RS232	Baud	2400, 4800, 9600, 19200, 38400, 115200
Addressable Devices		1...16
Nominal Temperature Range	°C	+15...+35
Service Temperature Range	°C	+5...+45
Storage Temperature Range	°C	-10...+70
Dimension (W x H x D)	mm	160 x 76 x 134
Weight	g	500
Housing Colour		White
Level of Protection (DIN VDE 0470)		IP 40

Accessories	Art. No.	Function
GM 80/KIT	106986	Complete Set of Mating Connectors
GM 80/NEUT	106983	Neutral Design
GM 80-TG/-PA-VS	109016	Measuring and Evaluation Software
AS 80-TG/-PA RS232-USB	109729	Adapter module for 2 x RS232 on USB