

MEASURING TRANSDUCER

and Signal Releaser

(14953 DA) Digital-Analog-Converter for periodical signals...

Id-No. 00.14953.000 000

the period duration of the input impulses of different meteorological measuring sensors is converted into a frequency. The results of this A/D transformation are reliable and proportional to the incoming frequency of voltage and/or current values. The pre-setting of parameter is very simple via only 4 keys. [Anemometer \(1468\)](#) or wind [sensor \(14576 I\)](#) e. g. are connectable.



Measuring range:	< 10.000 Hz input frequency • < 40 µs pulse duration/ period
Range of application:	temperatures -25...+60°C • storing -40...+85°C
Outputs:	voltages: 0...10 V or 2...10 V • 10 mV resolution current: 0(4)...20 mA • 20 mA resolution
Supply voltage:	196...264 V • 47...63 Hz • < 5 VA (cl. 16, 18) 98...132 V • 47...63 Hz • < 5 VA (Cl. 17, 18) 20.4...27.6 V • < 5 W (Cl. 11, 12/ power-line)
Housing/ Weight:	modular macrolon housing of • system KF • 40 x 107 x 115 mm IP 20 • assembly on 35 mm standard strip and screwable by 90 mm raster strap • removable, codable terminal clamp • lead < 2 x 2.5 mm ² • 0.4 kg
Standards:	EMC according to EN 50081-2 • EN 50082-2

(8763) Two-channel transducer for parameters as ...

air temperature, air humidity, radiation and radiation balance. The sensors which can be used are optimally adjusted and factory-made via DIP-switcher configuration.



Measuring range:	-30...+70°C • 0...100% r. h. • -300...0...1400 W/m ² - depending on type
Accuracy:	± 0.1% at 20°C • ± 0.5% at -30...+70°C
Outputs:	2 x 0(4)...20 mA • 0...2 V • max. load 1.2 kΩ at 24 V _{DC}
Supply voltage:	10...30 V _{DC}
Housing/ Weight:	100 x 100 x 60 mm • IP 65 • 0.5 kg

Varieties:

- 00.08763.012 002 (8763 TH) for Temperature [sensors \(8241\)/ \(8281\)](#) · Humidity [sensor \(800\)](#)
- 00.08763.055 002 (8763 S) for [Pyranometer \(16103\)](#) · [\(16131\)](#) · [Albedometer \(1611\)](#)
for direct and indirect radiation or radiation balance
- 00.08763.056 002 (8763 SB) for [Net Radiometer \(16123\)](#)
for radiation and radiation balance

(14785 V) Signal Releaser for wind warning systems

The switching point is individually adjustable between 0 and 35 m/s. The relay contact closes when exceeding a limit. When the switching hysteresis is correctly set temporary gusts can remain unconsidered. Security and protection are given by user-specific alarm systems next in line.



Measuring range:	0...35 m/s
Accuracy:	± 1 m/s
Range of application:	temperatures 0...+50°C
Delay times:	4s* · 8s · 15s · 30s · 1 min · 2 min · 4 min · 8 min · 16 min**
Outputs:	a potential relay contact • 1000 VA · max. 250 V _{AC} ... a DC-output for an indicator · 3 Ohm
Supply voltage:	230 V _{AC} • 50 Hz • 1.5 VA (others on request)
Housing/ Weight:	for rail- or wall mounting • 75 x 55 x 110 mm • IP 40 2 diodes for operating status indication • 0.4 kg

Varieties:

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|------------------|-----------|--|
| 00.14785.235 060 | (14785 V) | 0...20 mA |
| 00.14785.235 210 | (14785 V) | 0...1 mA • Master • e. g. for (1453 S2) (1457 S2) |
| 00.14785.235 220 | (14785 V) | 0...1 mA • Slave • e. g. for (1453 S2) (1457 S2) |
| 00.14785.235 640 | (14785 V) | 0...4 mA • Master • e. g. for (14512 G4) (1467 G4) |
| 00.14785.235 650 | (14785 V) | 0...4 mA • Slave • e. g. for (14512 G4) (1467 G4) |

*drop-out delay only **on-delay only