

Signal Products Main Line

Australian and New Zealand Catalogue 2013



- A ACT20X Isolators for Hazardous Areas**
- A.3 NAMUR Sensor Interfaces
 - A.7 Solenoid Actuator/Drivers
 - A.11 Current Isolator
 - A.13 Control Current Isolator
 - A.15 Universal Loop Powered
 - A.17 Universal Auxiliary Powered
 - A.19 Universal Temperature



- B Signal Powered Products**
- B.3 ACT20M Series
 - B.4 Wave Series
 - B.5 MCZ Series
 - B.6 JackPak (IP68) Series



- C Output Loop Powered Products**
- C.3 ITXPlus Universal Isolator
 - C.4 ACT20M Series
 - C.5 Wave Series Current/Voltage
 - C.6 TWI-2 Dual Channel Isolator
 - C.7 Wave Series Splitter
 - C.8 MCZ Series Pt100 Converter
 - C.9 ITXPlus Head Mount Universal
 - C.10 NTX Head Mount Temperature
 - C.11 HTB230 Universal RTD
 - C.12 ENXHRTD Wall Mount RTD
 - C.13 Wave Series AC Current



- D Auxiliary Powered Signal Converters**
- D.3 Wave TTA Universal (with Alarms)
 - D.4 WavePak Current/Voltage/Micromann
 - D.5 AR Series (with Alarms)
 - D.6 ACT20M Series
 - D.10 Wave Series High Speed Analogue
 - D.11 DFI Dual Channel Current/Voltage
 - D.12 Wave analogue Pro Series
 - D.16 ACT20P Bridge
 - D.17 UPI Analogue to Frequency
 - D.18 MCZ Analogue to Frequency
 - D.19 Wave AC Current/Voltage
 - D.21 FTX AC Current/Voltage



- E Alarm Modules**
- E.3 ACT20P Universal Dual Channel
 - E.4 Wave Current/Voltage Dual Channel
 - E.5 MM R Series Dual Alarm
 - E.6 MM AR Series Conditioner/Alarm
 - E.7 6841 Strain Gauge Conditioner/Alarm
 - E.8 6821 Current/Voltage Conditioner/Alarm
 - E.9 MCZ Current Voltage Alarm
 - E.10 PLUGcontrol DC Current Alarms
 - E.11 Wave AC Current/Voltage Alarms



- F Indicators**
- F.3 LPD Series Loop Powered LCD
 - F.4 Loop Powered LED
 - F.5 DI350 Basic 3+½ Digit LED
 - F.6 PM450 Basic 4+½ Digit LED
 - F.7 PMX Series Universal
 - F.9 PTX Series Totalisers and Rate
 - F.10 Field Mount Loop Powered LED/LCD
 - F.13 Nokeval Large Modular Displays
 - F.15 Eight Channel Display
 - F.16 Auto/Manual Station



- G Digital Signal Converters**
- G.2 16 Channel Multiplexer with Modbus
 - G.3 RMC485 Analogue with Modbus
 - G.4 Serial Interface Converters
 - G.5 Nokeval USB Programming Cable
 - G.6 RS Series D to A and A to D Converters



- H Wireless Transmitter/Receivers**
- H.2 Overview
 - H.3 Transmitters
 - H.4 Receivers/Repeaters



- I Calibrators**
- I.2 Portacal 275
 - I.3 Portacal 1000



- J Fieldbus Components**
- J.2 Profibus DP Products
 - J.4 Profibus PA Products
 - J.6 Profibus Accessories



- K Accessories and Technical Information**
- Covers Surge Protection, CTs, Rail and Terminals plus useful technical information.

ACT20X Series for Hazardous Area Applications

Section A



- Full International Approvals
- Analogue and Binary Interface to Hazardous area
- All standard input signals
- FDT/DTM Setup

Load Cell Interface - ACT20P Bridge

Page D.16



- Signal converter/isolator for strain gauge bridges
- Powers load cells
- Active noise cancellation
- Fully Isolated

Universal Signal Conversion and Monitoring Module - WAVE TTA

Page D.3



- Signal Isolation/Conversion and Alarm functions in a signal unit
- Universal AC and DC supply
- Flexible configuration using PC

Signal Conversion and Monitoring in 6mm wide housing - ACT20M

Page B.3, C.4, D.6



- Signal Conversion with isolation in a small package
- Three way isolation
- Power feed-in via DIN rail bus
- Flexible configuration using PC/DIP switches

Wireless Transmitters, Receivers and Repeaters

Section H



- Low cost wireless data acquisition
- Extended range using repeaters
- Battery powered (battery life typically >3 years)
- IP66/IP67 rated field mount housings

Signal Conversion and Monitoring - WAVE

Page B.4, C.3, C. 5, C.7, C. 13, D.4, D.10, D.12-15, D.19, D.20, E.4, E.11, E.12, G.4



- Large range of standard signal ranges and sensor types
- Uniform appearance in a DIN rail mount format
- High Isolation

Extended Function LED Displays

Section F



- Large Bright LED Display
- Standard IP65 1/8 DIN Facia
- Integrated Signal Conversion and Alarms
- Fully Isolated

Extended Function Process Alarms

Page D.5,D.17, E.5, E.6



- Suit a wide variety of sensor types
- Two Alarm Channels with SPDT Relay Outputs
- Measurement Display and Setpoint adjustment in Engineering Units

Loop Powered LCD Display

Page F.3



- 3+1/2 Digit LCD Display for bright areas
- Standard IP65 1/8 DIN Facia
- Powered from 4-20mA input signal

Eight Input Panel Meter

Page F.15



- 8 universal inputs
- Optional outputs
- 96x96mm front bezel

Large Digit Displays

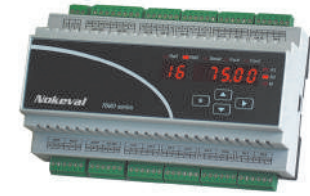
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- 57mm, 100mm and 180mm displays
- AC and DC power options
- Plug-in Input and Output card options

Sixteen Channel Multiplexer

Page G.2



- 16 universal inputs
- Front panel indication
- Analogue and Modbus RTU outputs

Loop Powered LED Indicators and Transmitters

Page F.10, F.11, F.12



- Loop powered
- Bright LED display for dimly lit areas
- Optional alarm output

In-head Temperature Converters

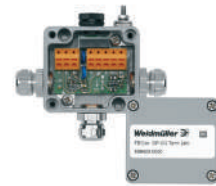
Page C.9, C.10, C.11



- Loop Powered
- Fixed and programmable versions available
- Universal input versions

Fieldbus Junction Boxes for Ex and Normal Applications

Section K



- Distributors for PROFIBUS DP and PA
- Power Injection and Surge Protection Options
- Versions with 1, 2, 4 and 8 field connections

Calibrators

Section I



- Measurement and Signal Source for industrial current and voltage signals
- Inbuilt programmable step and ramp function for system commissioning
- One step recall of important calibration points

AD and DA Converters

Page G.6



- 8-bit AD and DA converters
- Hold function for storing measurement value
- DIN Rail mount

JackPac IP68 Isolators

Page B.6



- Compact IP68 housing
- Standard A-coded M12 connectors
- Accuracy better than 0.1% of Span